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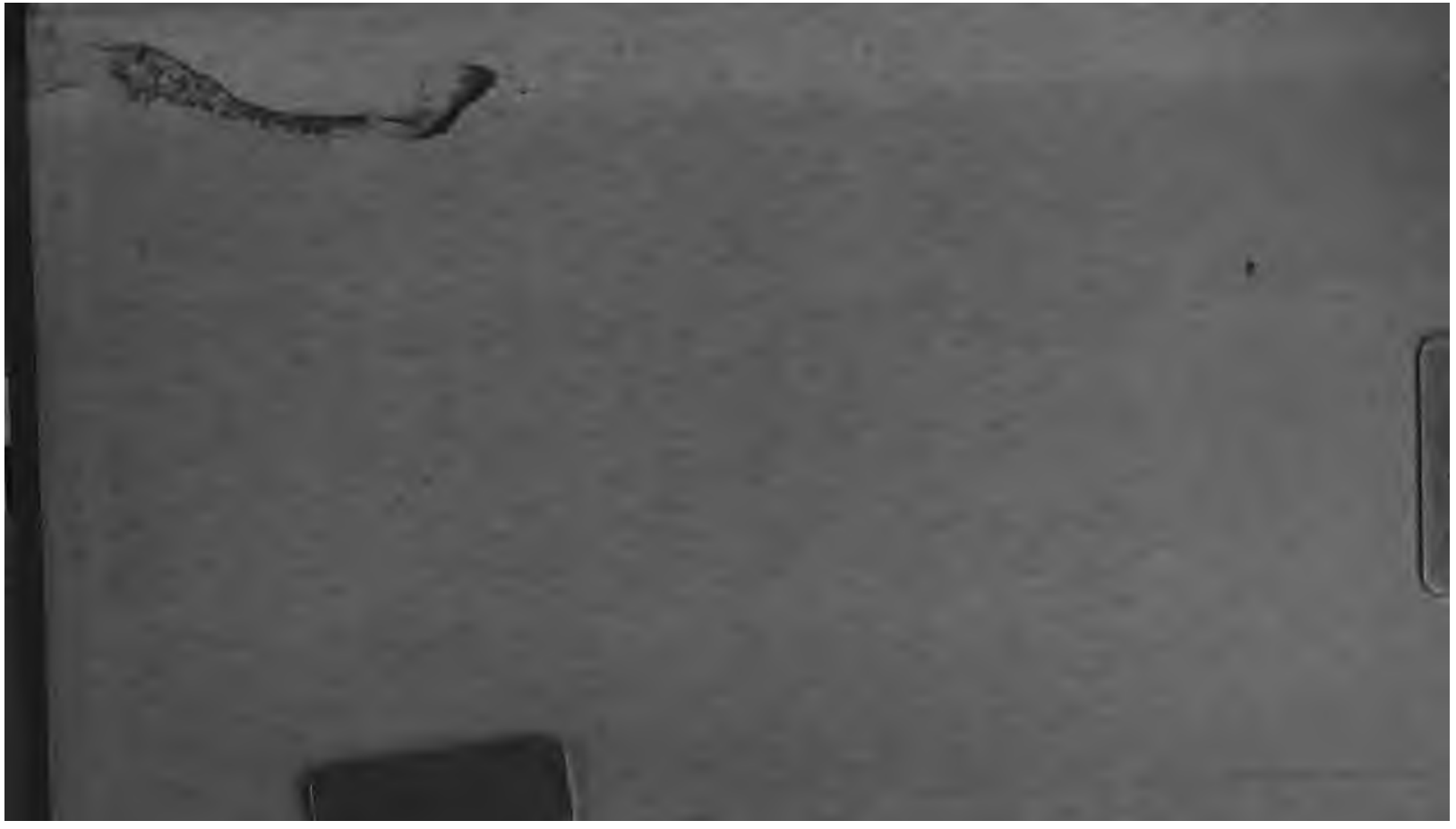

FACULTY

Arranged in the several groups in the order of appointment

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A. B., College of the City of New York, 1865; M. D., Columbia University (College of Physicians and Surgeons, N. Y.), 1867; Ph. D., University of Gœttingen, 1870; LL. D., Columbia University, 1893, Princeton University, 1896, Yale University, 1901, and University of Toronto, 1902; Professor of Chemistry in Williams College, 1872-76, and previously Assistant in Chemistry in the University of Tuebingen; Corresponding Member of the British Association; Foreign Member, Chemical Society of London; Honorary Member, Pharmaceutical Society of Great Britain; Secretary of the Academic Council, 1887-1901; President of the American Association for the Advancement of Science, 1902-03; Vice-President of the National Academy of Sciences, 1903-; *Editor of the American Chemical Journal.*

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CALENDAR, 1904-1905

The University Examinations of Undergraduates will begin Friday, June 3, 1904.

Commencement Day falls on the second Tuesday in June: in 1904 on June 14; in 1905 on June 13.

The First Examinations for Admission and Matriculation will begin Wednesday, June 15, 1904, at 9 a. m.

The second Examinations will begin Wednesday, September 28, 1904, at 9 a. m.

The instruction of all classes will begin on the first Tuesday in October: in 1904 on October 4.

Thanksgiving Day will fall on Thursday, November 24, 1904.

The first Intermediate Examinations of Undergraduates will be held December 21, 22, 23, 1904.

The Christmas Recess will begin Friday evening, December 23, 1904. Exercises will be resumed Tuesday morning, January 3, 1905.

Commemoration Day will fall on Wednesday, February 22, 1905.

The Spring Recess will begin Thursday morning, April 20, 1905, and close Wednesday evening, April 26.

The University Examinations of Undergraduates (in 1905) will begin Friday, June 2.

REGISTER

OF

THE JOHNS HOPKINS UNIVERSITY

1903-1904

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1904

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JULIUS HOFMANN, *Assistant in German.* 1029 W. Lanvale St.
University of Giessen.

SYLVAN ROSENHEIM, M. D., *Assistant in Laryngology.*
A. B., Johns Hopkins University, 1895, and M. D., 1899; *Clinical Assistant in Laryngology, the Johns Hopkins Dispensary.* 1630 Madison Av.

RICHARD H. FOLLIS, JR., M. D., *Instructor in Surgery.*
Ph. B., Yale University, 1895; M. D., Johns Hopkins University, 1899; *Resident Surgeon, the Johns Hopkins Hospital.* The Johns Hopkins Hospital.

EDGAR R. STROBEL, M. D., *Assistant in Dermatology.* 37 E. North Av.
A. B., Johns Hopkins University, 1895, and M. D., 1899; *Clinical Assistant, the Johns Hopkins Dispensary.*

LEROY C. BARRET, PH. D., *Instructor in Latin.* 1120 McCulloh St.
A. B., Washington and Lee University, 1897, and A. M., 1898; Fellow, Johns Hopkins University, 1901-03, and Ph. D., 1903.

CHARLES H. BUNTING, M. D., *Assistant in Pathology.*
S. B., University of Wisconsin, 1896; M. D., Johns Hopkins University, 1901; Assistant Demonstrator of Pathology, University of Pennsylvania, 1902-03; *Assistant Resident Pathologist, the Johns Hopkins Hospital.*
The Johns Hopkins Hospital.

HENRY A. CONVERSE, PH. D., *Instructor in Mathematics.*
A. B., Hampden-Sidney College, 1893; Ph. D., Johns Hopkins University, 1903.
1112 McCulloh St.

THEODORE CLINTON FOOTE, PH. D., *Instructor in Biblical Literature.*
A. B., Racine College, 1880, and A. M., 1883; S. T. B., General Theological Seminary (N. Y.), 1884; Ph. D., Johns Hopkins University, 1902, and Rayner Fellow, 1901-03. 1825 W. Fayette St.

CAMPBELL P. HOWARD, M. D., *Assistant in Medicine.*
A. B., McGill University, 1897, and M. D. C M., 1901; *Assistant Resident Physician, the Johns Hopkins Hospital.* The Johns Hopkins Hospital.

ARTHUR S. LOEVENHART, M. D., *Assistant in Physiological Chemistry.*
S. B., Kentucky State College, 1898, and M. S., 1899; M. D., Johns Hopkins University, 1903.
521 N. Wolfe St.

ERNEST G. MARTIN, PH. D., *Assistant in Physiology.*

Ph. B., Hamline University, 1897; Fellow, Johns Hopkins University, 1902-03.

1814 N. Broadway.

CHARLES R. MACINNES, PH. D., *Director of the Gymnasium.*

A. M., Queen's University (Ont.), 1896, and Instructor, 1900-02; Ph. D., Johns Hopkins University, 1900; Lecturer, Manitoba College, Winnipeg, 1902-03.

822 Hamilton Terr.

AUGUSTUS G. POHLMAN, M. D., *Assistant in Anatomy.*

M. D., University of Buffalo, 1900; Assistant and Instructor in Anatomy, Cornell University, 1900-03.

246 W. Lanvale St.

LEE RANEY, A. B., *Assistant Librarian.* Pikesville.

A. B., Centre College, 1897; Fellow, Johns Hopkins University, 1901-03.

JOHN A. SAMPSON, M. D., *Assistant in Gynecology.*

A. B., Williams College, 1895; M. D., Johns Hopkins University, 1899; *Resident Gynecologist, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital.

J. MORRIS SLEMONS, M. D., *Assistant in Obstetrics.*

A. B., Johns Hopkins University, 1897, and M. D., 1901; *Resident Obstetrician, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital.

W. RUSH DUNTON, M. D., *Assistant in Psychiatry.* Towson.

S. B., Haverford College, 1889, and A. M., 1890; M. D., University of Pennsylvania, 1893; Assistant Physician, Sheppard and Pratt Hospital.

GEORGE L. STREETER, M. D., *Assistant in Anatomy.* 516 Park Av.

A. B., Union College, 1895; A. M. and M. D., Columbia University, 1899.

WILLIAM W. FORD, M. D., *Instructor in Bacteriology.*

A. B., Adelbert College, 1893; M. D., Johns Hopkins University, 1898; Fellow of McGill University, 1899-1901, and of the Rockefeller Institute, 1901-02.

209 E. Mt. Royal Av.

JAMES J. MILLS, M. D., *Assistant in Ophthalmology and Otology.*

M. D., Baltimore Medical College, 1889; *Assistant in Ophthalmology and Otology, the Johns Hopkins Dispensary.*

LOUIS V. HAMMAN, M. D., *Assistant in Medicine.* 21 W. Franklin St.

A. B., Rock Hill College, 1896; M. D., Johns Hopkins University, 1901; *Clinical Assistant, the Johns Hopkins Dispensary.*

853 Park Av.

F. HARRY BAETJER, M. D., *Assistant in Surgery in charge of Actinography.* The Arundel.

A. B., Johns Hopkins University, 1897, and M. D., 1901; *Assistant Resident Surgeon, the Johns Hopkins Hospital.*

HERBERT M. LITTLE, M. D. C. M., *Assistant in Obstetrics.*

A. B., University of Toronto, 1897; M. D. C. M., McGill University, 1901; *Assistant Resident Obstetrician, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital.

LECTURERS DURING THE YEAR, 1903-1904

On the Turnbull Foundation

Count ANGELO DE GUBERNATIS, Professor of Italian Literature in the University of Rome.
Nine lectures in January and February on *Italian Poetry.*

Greek Literature

Professor SAMUEL H. BUTCHER, LITT. D., LL. D., of the University of Edinburgh.
Two lectures in April on *Greek Literature.*

History of Religions

Professor GEORGE STEINDORFF, PH. D., of the University of Leipsig.
Five lectures in March on the *Religion of Egypt.*

Archaeology

Professor WILLIAM N. BATES, PH. D., of the University of Pennsylvania.
Twenty-five lectures on *Greek Archaeology.*

FREDERICK J. BLISS, PH. D., late Field-Officer of the Palestine Exploration Fund.
Six lectures in February on the *Archaeology of Palestine.*

Before separate departments of the University

Medical Department

ALEXANDER C. ABBOTT, M. D., Professor of Hygiene and Director of the Laboratory of Hygiene, University of Pennsylvania.
Hygiene.

JOHN S. BILLINGS, M. D., LL. D., Surgeon, U. S. Army, and late Librarian of the Surgeon General's Office; Director of the New York Public Library.
Literature and History of Medicine.

ROBERT FLETCHER, M. D., M. R. C. S. (Eng.), Surgeon, U. S. Army.
Forensic Medicine.

CH. WARDELL STILES, PH. D., Zoologist of the U. S. Bureau of Public Health.
Medical Zoology.

Department of Geology.

Professor CLEVELAND ABBE, PH. D., LL. D., of the United States Weather Bureau.
Meteorology.

L. A. BAUER, PH. D., of the United States Coast and Geodetic Survey.
Terrestrial Magnetism.

C. WILLARD HAYES, PH. D., of the U. S. Geological Survey.
Special topics in *Geology.*

German

THOMAS S. BAKER, PH. D., of the Jacob Tome Institute.
German Literature.

Historical and Economic Science

JEFFREY R. BRACKETT, PH. D., of Baltimore.
Ten lectures on *Public Aid, Charities, and Correction.*

JAMES SCHOULER, LL. D., of Boston, author of "History of the United States under the Constitution."
Four lectures on the *Life of the People during the American Revolution.*

Professor EDWARD L. STEVENSON, PH. D., of Rutgers College.
Six lectures on *Cartography.*

Romance Languages

Professor FREDERICK M. WARREN, PH. D., of Yale University.
Twenty-six lectures on *French Literature.*

Systematic Botany

BOLLING W. BARTON, M. D., of Baltimore.

Modern Greek

ARISTOGEITON M. SOHO, PH. D., of Baltimore.

ADDITIONAL ASSISTANTS FOR THE CURRENT YEAR.

The following students have rendered service to the university in the departments named. In the enumeration they are not counted as members of the academic staff.

J. A. ADDISON, A. B.—*Y. M. C. A.*
J. A. ANDERSON, S. B.—*Physics.*
K. H. BEALL, M. D.—*Pharmacology.*
S. BLUM, A. B.—*Public Speaking.*
H. BRADSHAW, A. B.—*Chemistry.*
P. H. COBB, A. B.—*Chemistry.*
B. H. GRAVE, S. B.—*Gymnasium.*
E. W. GUDGER, M. S.—*Zoology.*
W. J. MILLER, M. S.—*Geology.*
C. A. MYERS, A. B.—*English.*
D. W. OHERN, A. M.—*Geology.*
A. H. PFUND, S. B.—*Physics.*
J. T. PORTER, A. M.—*Physics.*
H. W. PLAGGEMEYER, A. B.—*Public Speaking.*
R. L. RAMSAY, A. B.—*English.*
F. SHREVE, A. B.—*Botany.*
H. C. THACHER, A. B.—*Bacteriology.*
W. W. WAITE, S. B.—*Pathology.*
W. P. WINTER, A. M.—*Chemistry.*

INTERNES AND EXTERNES OF THE JOHNS HOPKINS HOSPITAL AND DISPENSARY, 1903-04

The following graduates of the medical department are Resident House Officers in the Johns Hopkins Hospital:

LEWIS CLYDE BIXLER, M. D.
A. B., Lafayette College, 1899; M. D., Johns Hopkins University, 1903.

CLINTON ETHELBERT BRUSH, JR., M. D.
S. B., New York University, 1899; M. D., Johns Hopkins University, 1903.

JOHN TIMOTHY GERAGHTY, M. D.
A. B., St. Thomas College, 1895; Ph. B., St. Paul Seminary, 1897; M. D., Johns Hopkins, 1903.

FRANCIS COLQUHOUN GOLDSBOROUGH, M. D.
S. B., Princeton University, 1899; M. D., Johns Hopkins University, 1903.

ARTHUR DOUGLASS HIRSCHFELDER, M. D.
S. B., University of California, 1897; M. D., Johns Hopkins University, 1903.

HENRY TALBOT HUTCHINS, M. D.
A. B., Amherst College, 1899; M. D., Johns Hopkins University, 1903.

HENRY D. LONG, M. D.
A. B., Washington and Jefferson College, 1894; M. D., Johns Hopkins University, 1903.

ROBERT TALBOTT MILLER, JR., M. D.
A. B., Amherst College, 1899; M. D., Johns Hopkins University, 1903.

WILLIS BEAN MOULTON, M. D.
A. B., Bowdoin College, 1899; M. D., Johns Hopkins University, 1903.

THEODORE FOSTER RIGGS, M. D.
A. B., Beloit College, 1898; M. D., Johns Hopkins University, 1903.

ALEXANDER RAYMOND STEVENS, M. D.
A. B., Johns Hopkins University, 1896, and M. D., 1903.

FRANK HOSFORD WATSON, M. D.
S. B., University of Wisconsin, 1899; M. D., Johns Hopkins University, 1903.

CHARLES WHITTIER YOUNG, M. D.
S. B., University of Illinois, 1897; M. D., Johns Hopkins University, 1903.

The following is serving as an Externe of the Hospital and Dispensary:

WILLIAM BURGESS CORNELL, M. D.
A. B., University of Chicago, 1899; M. D., Johns Hopkins University, 1903.

GRADUATE STUDENTS

FELLOWS BY COURTESY

JOHN DAVIS BATCHELDER. Faribault, Minn. *The Albion.*

A. B., University of Vermont, 1894; LL. B., University of Minnesota, 1896; Assistant Professor of Romance Languages, Ohio State University, 1901-03. *Romance Languages.*

ERNEST JULIUS BECKER. Baltimore. 2131 *Maryland Av.*

A. B., Johns Hopkins University, 1894, and Ph. D., 1898; Instructor in English and German, Baltimore City College. *English.*

GEORGE GRIFFIN BROWNELL. University, Ala. 1202 *Mt. Royal Av.*

A. B., Syracuse University, 1893, and A. M., 1896; Professor of Romance Languages, University of Alabama. *Spanish, French, and History.*

ARTHUR BYRON COBLE. Lykens, Pa. 1116 *Bolton St.*

A. B., Pennsylvania College, 1897; Fellow, Johns Hopkins University, 1901-02, and Ph. D., 1902; Instructor in Mathematics, University of Missouri, 1902-03; Research Assistant on the Carnegie foundation. *Mathematics.*

JOHN BASCOM CRENSHAW. Baltimore. 1122 *Madison Av.*

A. M., Randolph-Macon College, 1881; Ph. D., Johns Hopkins University, 1892; Instructor in English and French, Baltimore City College. *German and English.*

PHILIP HOWARD EDWARDS. Baltimore County. *Pikesville.*

A. B., St. John's College, 1898; Fellow, Johns Hopkins University, 1901-03, and Ph. D., 1903. *Latin.*

CARL AUGUST EGGERT. Chicago, Ill. 1024 *N. Eutaw St.*

A. M., Princeton University, 1867; Ph. D., University of Heidelberg, 1876; LL. B., Iowa State University, 1889; late Professor of Romance Languages in Vanderbilt University and the University of South Dakota. *Romance Languages.*

JOSEPH CHRISTIE WHITNEY FRAZER. Baltimore. 1217 *Madison Av.*

S. B., Kentucky State College, 1897, and M. S., 1898; Fellow, Johns Hopkins University, 1900-01, Ph. D., 1901, and Assistant in Chemistry, 1901-03; Research Assistant on the Carnegie Foundation. *Chemistry.*

FREDERICK HUTTON GETMAN. Stamford, Conn. 2117 *Maryland Av.*

Fellow, Johns Hopkins University, 1902-03, and Ph. D., 1903; Research Assistant on the Carnegie foundation. *Chemistry.*

EDWARD PECHIN HYDE. Baltimore. 1100 *E. North Av.*

A. B., Johns Hopkins University, 1900, and Fellow, 1901-02; Assistant, Bureau of Standards, Washington. *Physics, Mathematics, and Physical Chemistry.*

ALFRED ALLAN KERN. Nashville, Tenn. 410 *W. Hoffman St.*

A. B., Randolph-Macon College, 1898, and A. M., 1899; Fellow, Johns Hopkins University, 1902-03. *English, French, and German.*

ALBERT FREDERICK KUERSTEINER. Bloomington, Ind.

A. B., University of Cincinnati, 1888; Professor of Romance Languages, University of Indiana. *Spanish, French, and History.*

918 *N. Calvert St.*

CHARLES EDWARD LYON. Baltimore County. *Mt. Wilson.*

A. B., Johns Hopkins University, 1897; Instructor in German, Princeton University, 1902-03. *German, French, and Latin.*

EDWARD LINDON MELLUS. Baltimore. 10 *E. Chase St.*

M. D., Jefferson Medical College, 1878. *Anatomy.*

WIGHTMAN FLETCHER MELTON. Tuscaloosa, Ala. 1317 *Linden Av.*
L. I., University of Nashville, 1889; A. M., Blount College (Ala.), 1892; late President of Tuscaloosa Female College. *English and Philosophy.*

WILLIAM ALBERT NOYES. Washington, D. C. 1505 *Bolton St.*
A. B., Iowa College, 1879; Ph. D., Johns Hopkins University, 1882; Professor of Chemistry, Rose Polytechnic Institute, 1886-1903; Chief Chemist, Bureau of Standards, Washington.

ROBERT BRUCE ROULSTON. Baltimore. 628 *N. Arlington Av.*
A. B., Johns Hopkins University, 1900, and Fellow, 1902-03. *German, Sanskrit, and Latin.*

EMILE SCHMOLL. Basle, Switzerland. 600 *N. Broadway.*
M. D., University of Basle, 1896. *Pharmacology.*

JOHN PHILIP SCHNEIDER. Cooperstown, N. Y. 1401 *McCulloh St.*
A. B., Wittenberg College, 1896; A. M., Columbia University, 1898; Fellow, Johns Hopkins University, 1902-03, and Ph. D., 1904. *English, German, and Philosophy.*

HAMILTON WRIGHT. Baltimore. 311 *Oakdale Rd., Roland Pk.*
M. D. C. M., McGill University, 1895; late Organizing Director, Institute for Medical Research in the Federated Malay States of the London School of Tropical Studies. *Pathology.* (20)

ADAM T. BRUCE FELLOW IN BIOLOGY

RHEINART PARKER COWLES. Los Angeles, Cal. 917 *McCulloh St.*
A. B., Leland Stanford University, 1899; Fellow, Johns Hopkins University, 1901-02, and Ph. D., 1904. *Zoology, Physiology, and Botany.*

WILLIAM S. RAYNER FELLOW IN SEMITIC LANGUAGES

WILLIAM GEORGE SEIPLE. Catasauqua, Pa. 801 *N. Calvert St.*
A. B., Franklin and Marshall College, 1898, and A. M., 1901; Lancaster Theological Seminary, 1901. *Hebrew, Assyrian, and Greek.*

Fellows

SAMUEL JAMES ALLAN. Halifax, N. S. 1125 *McCulloh St.*
Sc. B., McGill University, 1900, and M. Sc., 1901. *Physics.*

JAMES BARNES. Halifax, N. S. 1125 *McCulloh St.*
A. B., Dalhousie University, 1899. *Physics, Physical Chemistry, and Mathematics.*

DOUGLAS LABAREE BUFFUM. Charlottesville, Va. 516 *Park Av.*
A. B. and A. M., University of Virginia, 1898. *French, Spanish, and Italian.*

WALTER BUCKINGHAM CARVER. Baltimore. 1039 *N. Eutaw St.*
Ph. B., Dickinson College, 1899. *Mathematics, Physics, and Geological Physics.*

HOWARD WATERS DOUGHTY. Baltimore. 1024 *St. Paul St.*
Proficient in Electricity, Johns Hopkins University, 1893. *Chemistry, Physical Chemistry, and Physics.*

AARON EMBER. Baltimore. 201 *S. High St.*
A. B., Johns Hopkins University, 1901. *Hebrew, Assyrian, and History of Ancient East.*

JOHN CALVIN FRENCH. Baltimore. 2509 *W. North Av.*
A. B., Johns Hopkins University, 1899. *English.*

AUGUST ERNEST GUENTHER. Sandusky, O. 1814 *N. Broadway.*
S. B., University of Michigan, 1898. *Physiology, Anatomy, and Physics.*

ELLIOT SNELL HALL. Jamestown, N. Y. 1317 *Park Av.*
A. B., Amherst College, 1896. *Chemistry, Physical Chemistry, and Geology.*

LEE MILTON HOLLANDER. Baltimore. 2133 *McCulloh St.*
A. B., Johns Hopkins University, 1901. *German, English, and Sanskrit.*

JOHN PORTER HOLLIS. Rock Hill, S. C. 1214 *McCulloh St.*
A. B., Wofford College, 1895. *History, Political Economy, and Political Science.*

ARTHUR ISAAC KENDALL. Somerville, Mass. 106 *Jackson Pl.*
S. B., Massachusetts Institute of Technology, 1900. *Bacteriology, Physiological Chemistry, and Physiology.*

WILLIAM KIRK. Baltimore. 1422 *Argyle Av.*
A. B., Johns Hopkins University, 1902. *Political Economy, Political Science, and History.*

WILFRED GEORGE LEUTNER. Cleveland, O. [*Absent.*]
A. B., Adelbert College, 1901. *Greek.* [*Resigned to become Instructor in Adelbert College.*]

RAYMOND DURBIN MILLER. Baltimore. 1303 *John St.*
A. B., Johns Hopkins University, 1898. *English, History, and Philosophy.*

WALTER LEWIS MOLL. Baltimore. *Irvington.*
A. B., Concordia College (Ind.), 1896; Concordia Seminary (Mo.), 1899. *Greek, Latin, and Hebrew.*

THEODORE LESLIE SHEAR. New York City. 1213 *Bolton St.*
A. B., New York University, 1900, and A. M., 1903. *Greek, Latin, and Sanskrit.*

CHARLES KEPHART SWARTZ. Baltimore. 813 *N. Gilmor St.*
A. B., Johns Hopkins University, 1888. *Geology, Paleontology, and Chemistry.*

DAVID HILT TENNENT. Janesville, Wis. 906 *McCulloh St.*
S. B., Olivet College, 1900. *Zoology, Physiology, and Botany.*

BOYD ASHBY WISE. Canterburg, Va. 261 *W. Hoffman St.*
A. B., Randolph-Macon College, 1897, and A. M., 1898. *Latin, English, and German.*

JAMES MARTIN WRIGHT. Norborne, Mo. 1317 *Madison Av.*
A. B., William Jewell College, 1901. *History, Political Economy, and Political Science.* (21)

OTHER GRADUATE STUDENTS IN PHILOSOPHY

JOHN ARMSTRONG ADDISON. Baltimore. 315 *Warren Av.*
A. B., Johns Hopkins University, 1903. History and Philosophy.

JAMES EDWARD ALLEN. Hebron, Va. 1110 *McCulloh St.*
A. B., Hampden-Sidney College, 1898. *Latin, French, and German.*

BENJAMIN AUDLEY ALLISON. Mercer, Pa. 1202 *McCulloh St.*
S. B., Westminster College (Pa.), 1902. *Chemistry and Physics.*

JOHN AUGUST ANDERSON. Tansem, Minn. 521 *N. Eutaw St.*
S. B., Valparaiso College (Ind.), 1900. *Physics and Mathematics.*

CLYDE SHEPHERD ATCHISON. Baltimore. 1929 *W. North Av.*
A. B., Westminster College (Pa.), 1903. *Mathematics and Physics.*

HARRY PRESTON BASSETT. Cynthiana, Ky. 416 *Mosher St.*
S. B., Kentucky State College, 1901, and M. S., 1902. *Chemistry, Physical Chemistry, and Physics.*

HAROLD HERMAN BENDER. Martinsburg, W. Va. 813 *Harlem Av.*
A. B., Lafayette College, 1903. *Sanskrit and Comparative Philology.*

HARRY KREITZER BENSON. Seattle, Wash. 1007 *W. Lafayette Av.*
A. B., Franklin and Marshall College, 1899, and A. M., 1902. *Chemistry, Physical Chemistry, and Mathematics.*

EUGENE COOK BINGHAM. Middlebury, Vt. 261 *W. Hoffman St.*
A. B., Middlebury College, 1899. *Chemistry and Physical Chemistry.*

FREDERICK CONRAD BLANCK. Baltimore. 520 *N. Fulton Av.*
A. B., Johns Hopkins University, 1903. *Chemistry.*

JOHN FRANCIS BLEDSOE. Baltimore. 649 *W. Saratoga St.*
A. B., Howard College (Ala.), 1892; A. M., Gallaudet College, 1893. *History and Politics.*

FREDERICK AUGUSTUS BLOSSOM, JR., Brooklyn, N.Y. 920 *Cathedral St.*
A. B., Amherst College, 1898. *Romance Languages.*

SOLOMON BLUM. Baltimore. 1608 *Park Av.*
A. B., Johns Hopkins University, 1903. *Political Economy.*

BEVERLY WAUGH BOND, JR. Baltimore. 1139 *Bolton St.*
A. B., Randolph-Macon College, 1900, and A. M., 1901. *History, English, and French.*

HAMILTON BRADSHAW. De Kalb, Ill. 315 *W. Hoffman St.*
A. B., Beloit College, 1902. *Chemistry, Physical Chemistry and Physics.*

CHARLES EDWARD BROOKS. Baltimore County. *Lake Roland.*
A. B., Johns Hopkins University, 1900. *Mathematics, Philosophy, and Physics.*

BENJAMIN HOWARD BROWNING. Littleton, N. C. 1116 *N. Eutaw St.*
A. B., Wake Forest College, 1902, and A. M., 1903. *Chemistry, Physical Chemistry, and Physics.*

ROGER FREDERIC BRUNEL. Portland, Me. 1410 *Linden Av.*
A. B., Colby College, 1903. *Chemistry, Physical Chemistry, and Physics.*

WILLIAM HEPBURN BUCKLER. Baltimore. *"Evergreen," W. North Av.*
A. B., University of Cambridge, 1890, and LL. B., 1891. *Political Economy.*

ROBERT GRANVILLE CAMPBELL. Lexington, Va. *Washington, D. C.*
A. B., Washington and Lee University, 1898. *Physics and Mathematics.*

HOWARD VERNON CANTER. Canterburg, Va. 1120 *McCulloh St.*
A. B., Washington and Lee University, 1896. *Latin, French, and Spanish.*

CHARLES GEIGER CARROLL. Georgetown, Texas. 1120 *McCulloh St.*
A. B., Southwestern University, 1898, and A. M., 1899. *Chemistry, Physical Chemistry, and Physics.*

LEWIS ROBINSON CARY. Bowdoinham, Me. 906 *McCulloh St.*
S. B., University of Maine, 1901, and M. S., 1902. *Zoology, Physiology, and Botany.*

OLIVER PERRY CHITWOOD. Rocky Mount, Va. 1128 *McCulloh St.*
A. B., William and Mary College, 1899. *History, Political Economy, and Political Science.*

ERNEST SEABURY CLOWES. Brooklyn, N. Y. 204 *E. Biddle St.*
S. B., Brooklyn Polytechnic Institute, 1901. *Chemistry, Physics, and Physical Chemistry.*

PHILIP HOWARD COBB. Portland, Me. 1317 *Park Av.*
A. B., Bowdoin College, 1902. *Chemistry, Physical Chemistry, and Mineralogy.*

REV. JOSEPH P. CONROY, S. J. Baltimore. *Loyola College.*
A. B., St. Ignatius College (Chicago), 1888; Ph. D., St. Louis University, 1895. *Greek.*

REV. WILLIAM WILBERFORCE COSTIN. Brooklandville. *Brooklandville.*
A. B., Mt. Allison College (N. B.), 1895; A. M., Columbian University, 1901. *Philosophy.*

ROBERT TREAT CRANE. Baltimore County. *Pikesville.*
A. B., Johns Hopkins University, 1902. *Political Science, Economics, and Philosophy.*

EDWIN PRESTON DARGAN. Barboursville, Va. 906 *McCulloh St.*
A. B., Bethel College (Ky.), 1899. *Romance Languages.*

REV. GEORGE HERMANN DERRY, S. J. Baltimore. *Loyola College.*
Stonyhurst College (England). *Greek.*

ARTHUR DODGE. Manassas, Va. 1120 *McCulloh St.*
A. B., William and Mary College, 1900, and A. M., 1901. *Greek, Latin, and Sanskrit.*

REV. GEORGE DRENFORD. Baltimore. *Highland Park.*
University of Breslau, 1879; M. D., College of Physicians and Surgeons (Balt.), 1888. *Sanskrit and Semitic Languages.*

DE LA WARR BENJAMIN EASTER. Ashland, Va. 1202 *McCulloh St.*
A. M., Randolph-Macon College, 1891. *French, Spanish, and Italian.*

HAMILTON JAMES ECKENRODE. Fredericksburg, Va. 1513 *John St.*
A. B., Fredericksburg College, 1898. *History, English, and Philosophy.*

GEORGE WICKER ELDERKIN. Hanover, N. H. 906 *McCulloh St.*
A. B., Dartmouth College, 1902. *Greek, Latin, and Sanskrit.*

THOMAS SIDNEY ELSTON. Berkeley, Cal. 1124 *McCulloh St.*
S. B., University of California, 1899. *Physics, Mathematics, and Chemistry.*

HOWARD EDWIN ENDERS. Annville, Pa. 1007 *W. Lafayette Av.*
S. B., Lebanon Valley College, 1897, M. S., 1900, and Professor of Biology; S. B., University of Michigan, 1898. *Zoology, Botany, and Physiology.*

CLAUDE ROY ENGLE. Hummelstown, Pa. 1125 *McCulloh St.*
S. B., Lebanon Valley College, 1902. *Chemistry, Physical Chemistry, and Physics.*

REV. JOHN SUMMERFIELD ENGLE. Baltimore. 2443 *McCulloh St.*
A. B. and A. M., Roanoke College, 1902. *Philosophy and History.*

ARTHUR JOHN EVELAND. Boston, Mass. 309 *Presstman St.*
Massachusetts Institute of Technology. *Geology and Mineralogy.*

HORACE EDGAR FLACK. Cuba, N. C. 1110 *Argyle Av.*
A. B. and A. M., Wake Forest College, 1901. *History, Political Economy, and Political Science.*

JAMES THOMAS FLANAGAN. Waterbury, Conn. 2315 *N. Charles St.*
A. B., Mt. St. Mary's College (Md.), 1903. *Biology, Chemistry, and Physics.*

THOMAS HOWARD FOWLER. Chestertown. 2301 *Eutaw Pl.*
A. B., Washington College, 1897, and A. M., 1898. *German, Sanskrit, and English.*

WILLIAM SHERWOOD FOX. Toronto, Ont. 915 *McCulloh St.*
A. B., McMaster University, 1900. *Greek, Latin, and Sanskrit.*

REV. MATTHEW GERMING, S. J. St. Louis, Mo. *Loyola College.*
Ph. D., St. Louis University, 1895. *Latin.*

OTTO CHARLES GLASER. Baltimore. 2135 *Bolton St.*
A. B., Johns Hopkins University, 1900. *Zoology, Physiology, and Botany.*

THEODORE WESLEY GLOCKER. Baltimore. 1028 *Hopkins Av. W.*
A. B., Johns Hopkins University, 1903. *Political Economy.*

JOHN SHARSHALL GRASTY. Staunton, Va. 1004 *McCulloh St.*
A. B., Johns Hopkins University, 1902. *Geology and Chemistry.*

BENJAMIN HARRISON GRAVE. Monrovia, Ind.
S. B., Earlham College, 1903. *Botany and Zoology.*
218 E. Twenty-third St.

CHARLES WALTER GRAY. Chrisman, Ill. 306 *W. Lanvale St.*
S. B., Illinois Wesleyan University, 1903. *Chemistry.*

OTTO ALBERT GREINER. Benezett, Pa. 906 *McCulloh St.*
Ph. B., Lafayette College, 1903. *Modern Languages.*

CHARLES CLAYTON GROVE. Hanover, Pa. 261 *W. Hoffman St.*
A. B., Pennsylvania College, 1900, and A. M., 1903. *Mathematics, Physics, and Italian.*

EUGENE WILLIS GUDGER. Waynesville, N. C. 1124 *McCulloh St.*
S. B., University of Nashville, 1892, and M. S., 1893. *Zoology, Botany, and Geology.*

JAMES FREDERICK HALL. London, Ont. 307 *Dolphin St.*
A. B., Western University (Ont.), 1899; A. B., Harvard University, 1900, and A. M., 1903. *Greek, Latin, and Hebrew.*

HUGH SISSON HANNA. Baltimore. 1037 *Harlem Av.*
A. B., Johns Hopkins University, 1899. *Political Economy, Political Science, and History.*

JOHN ALAN HAUGHTON. Baltimore. 1004 *N. Calvert St.*
A. B., Johns Hopkins University, 1903. *Romance Languages.*

REV. EDWARD HAYES. Baltimore. 907 *W. Franklin St.*
Western University of Pennsylvania. *Semitic Languages.*

ALBERT KERR HECKEL. Allegheny, Pa. 927 *McCulloh St.*
A. B., Roanoke College, 1903. *Greek, Latin, and Sanskrit.*

FREDERICK SQUIRE HEMRY. Clay Center, Neb. 1702 *McCulloh St.*
A. B., Cotner University (Neb.), 1894; A. M., University of Nebraska, 1897. *German, Greek, and English.*

KEARNEY EVERETT HENDRICKS. Asheboro, N. C. 305 *W. Lanvale St.*
A. B., Guilford College, 1900, and Haverford College, 1902. *Mathematics and Physics.*

FREDERICK W. HILBERT. Baltimore. 1032 *N. Eutaw St.*
A. B., Randolph-Macon College, 1896, and A. M., 1897. *Political Economy, History, and Political Science.*

LOUIS FOLTAT HILDEBRANDT. Baltimore. 1217 *Mosher St.*
A. B., Johns Hopkins University, 1902. *Spanish, French, and History.*

JOHN COFFEY HILDT. Baltimore. 1720 *Bolton St.*
A. B., Johns Hopkins University, 1903. *History, Political Science, and French.*

HENRY DICKINSON HILL. Baltimore. 1725 *Madison Av.*
A. B., Johns Hopkins University, 1900. *Physics, Mathematics, and Chemistry.*

JOSEPH ELLIS HODGSON. Keyser, W. Va. 1219 *Argyle Av.*
A. B., Washington and Lee University, 1898. *Mathematics.*

ERNEST JENKINS HOFFMAN. Dallas, N. C. 1125 *McCulloh St.*
A. B., Davidson College, 1900. *Chemistry, Physics, and Physical Chemistry.*

WILLIAM EDWIN HOFFMAN, JR. Baltimore. 215 *N. Carey St.*
A. B., Johns Hopkins University, 1902. *Chemistry, Physical Chemistry, and Mineralogy.*

BENJAMIN MIFFLIN HOOD. Baltimore. 1701 *Bolton St.*
A. B., Philadelphia High School, 1900; University of Pennsylvania. *History, Political Science, and Philosophy.*

HERBERT PIERREPONT HOUGHTON. Stamford, Conn.
A. B., Amherst College, 1901. *Greek, Latin, and Sanskrit.*
315 *W. Hoffman St.*

LLEWELLYN GRIFFITH HOXTON. Washington, D. C. *Washington.*
A. B., S. B., and A. M., University of Virginia, 1900. *Physics.*

CARL ALFRED JACOBSON. Wood Lake, Wis.
S. B., Carleton College, 1903. *Chemistry.*
Calhoun & Baker Sts.

REV. ROBERT HAYNE JOHNSON, S. J. Baltimore. *Loyola College.*
Ph. D., Woodstock College, 1901. *Greek and English.*

ERNEST EVANS JONES. Richmond, Ind. 1107 *McCulloh St.*
S. B., Earlham College, 1899. *Chemistry, Physical Chemistry, and Physics.*

JAMES BOYD KENNEDY. Yorkville, S. C. 1128 *McCulloh St.*
A. B., Erskine College, 1892. *Political Economy.*

WILLIAM LEE KENNON. Jackson, Miss. 1004 *McCulloh St.*
S. B., Millsaps College, 1900, and M. S., 1901. *Chemistry and Physics.*

LUTHER KNIGHT. Baltimore. 422 *W. Biddle St.*
S. B., Northwestern College (Ill.), 1902. *Chemistry and Mathematics.*

AUBREY EDWARD LANDRY. South Boston, Mass. 1049 *Aisquith St.*
A. B., Harvard University, 1900; Fellow, Catholic University of America. *Mathematics.*

IVEY FOREMAN LEWIS. Raleigh, N. C. 1404 *Eutaw Pl.*
A. B., University of North Carolina, 1902, and M. S., 1903. *Zoology, Botany, and Physiology.*

ALBERT HARP LICKLIDER. Baltimore. 2430 *Maryland Av.*
A. M., Randolph-Macon College, 1897. *English.*

ROBERT EDWARD LOVING. Wilmington, Va. 261 *W. Hoffman St.*
A. B., Richmond College, 1896, and A. M., 1898. *Physics, Mathematics, and Astronomy.*

HENRY MARTIN. Brandywine, Va. 1018 *N. Eutaw St.*
A. B., Richmond College, 1899, and A. M., 1901. *Latin.*

REV. WILLLIAM BRUCE MCPHERSON. Baltimore. 1105 *N. Gilmor St.*
A. B., Hobart College, 1892, and A. M., 1895. *Hebrew, Assyrian, and Egyptian.*

ASHTON WAUGH MCWHORTER. Salem, Va. 927 *McCulloh St.*
A. B., Roanoke College, 1895, and A. M., 1902. *Greek, Latin, and Sanskrit.*

BENJAMIN WILCHER MEEKS. Baltimore. 227 *Warren Av.*
A. B., Johns Hopkins University, 1903. *History.*

JOHN FREDERICK MESSICK. Allen. 1032 *N. Eutaw St.*
A. B., Randolph-Macon College, 1899. *Mathematics, Physics, and Astronomy.*

WILLIAM JOHN MILLER. Manton, Cal. 809 *Harlem Av.*
S. B., University of the Pacific, 1900, and M. S., 1902. *Geology, Mineralogy, and Chemistry.*

JAMES RAIDER MOOD. Summerville, S. C. 1122 *Madison Av.*
A. B., College of Charleston, 1900. *Latin, Sanskrit, and Greek.*

KOKICHI MORIMOTO. Tokyo, Japan. *Calhoun & Baker Sts.*
Imperial College of Sapporo, 1901. *History, Political Economy, and Political Science.*

JAMES MARVIN MOTLEY. Bowling Green, Mo. 1317 *Madison Av.*
A. B., William Jewell College, 1901. *Political Economy, History, and Political Science.*

WILLIAM URWICK MURKLAND. Baltimore. 37 *W. Preston St.*
A. B., Johns Hopkins University, 1903. *Greek, Latin, and Sanskrit.*

CHARLES AUGUSTUS MYERS. Baltimore. 1421 *W. Franklin St.*
A. B., Johns Hopkins University, 1902. *English.*

DANIEL WEBSTER OHERN. Maquon, Ill. 230 *N. Monroe St.*
A. B., Drake University, 1898; A. M., West Virginia University, 1899. *Geology, Mineralogy, and Chemistry.*

SAMUEL GRANT OLIPHANT. Baltimore. 1613 *John St.*
A. B., Princeton University, 1891, and A. M., 1894. *Greek, Latin, and Sanskrit.*

EDGAR ARDIS PETERSON. Eufaula, Ala. 913 *McCulloh St.*
A. B., Southern University, 1899; M. D., Vanderbilt University, 1902. *Chemistry, Pathology, and Bacteriology.*

AUGUST HERMAN PFUND. Madison, Wis. 1107 *McCulloh St.*
S. B., University of Wisconsin, 1901. *Physics and Mathematics.*

HENRY BAYARD PHILLIPS. Lexington, N. C. 1125 *McCulloh St.*
S. B., Erskine College, 1900. *Mathematics, Physics, and Philosophy.*

JAMES TEMPLE PORTER. Front Royal, Va. 261 *W. Hoffman St.*
A. B., Randolph-Macon College, 1895, and A. M., 1898. *Physics, Mathematics, and Electricity.*

ROBERT LEE RAMSAY. Fredericksburg, Va. 1831 *Madison Av.*
A. B., Fredericksburg College, 1899. *English, Greek, and French.*

MARATHON MONTROSE RAMSEY. Washington, D. C.
S. B., Columbian University, 1894, and A. M., 1895; Assistant Professor of Spanish, Leland Stanford University, 1901-03. *Spanish, French, and History.*
1122 *McCulloh St.*

CHARLES FREDERICK RANFT. Baltimore. 717 *W. Baltimore St.*
A. B., Johns Hopkins University, 1902. *History, Political Economy, and Political Science.*

ADOLF C. REICHARD. Frankfort, Germany. *The Sherwood.*
Ph. D., University of Heidelberg, 1902. *Zoology.*

WALTER FORD REYNOLDS. Baltimore. 439 *Roland Av.*
A. B., Johns Hopkins University, 1902. *Mathematics and Physics.*

LUTHER ADOLPH RICHARDS. Winchester, Va. *Washington, D. C.*
A. B., Columbian University, 1902, and A. M., 1903. *Mathematics, Physics, and Astronomy.*

SAMUEL RITTENHOUSE. Royersford, Pa. 1216 *Madison Av.*
A. B., Ursinus College, 1901. *Zoology, Physiology, and Botany.*

CHARLES JUDSON ROBINSON. Bloomington, Ill. 306 *W. Lanvale St.*
S. B., Illinois Wesleyan University, 1903. *Chemistry.*

JOHN DAVID RODEFFER. Lovettsville, Va. 1634 *Druid Hill Av.*
A. B., Roanoke College, 1895, and A. M., 1898; Ph. D., Johns Hopkins University, 1903. *English.*

CHARLES AUGUST ROUILLER. Paraje, N. Mex. 1517 *John St.*
A. B., Leland Stanford Jr. University, 1903. *Chemistry.*

JAMES EDWARD ROUTH, JR. Petersburg, Va. 1714 *N. Charles St.*
A. B., Johns Hopkins University, 1900. *English.*

JOHN JOSEPH RUTLEDGE. Alton, Ill. 9 *George St., Hampden.*
S. B., University of Illinois, 1894. *Geology, Mineralogy, and Chemistry.*

AARON MORTON SAKOLSKI. Syracuse, N.Y. 1824 *McCulloh St.*
Ph. B., Syracuse University, 1902. *Political Economy, Political Science, and History.*

GEORGE BISMARCK SANDERLIN. Belcross, N. C. 1103 *Argyle Av.*
A. B., Wake Forest College, 1899, and A. M., 1900. *English, German, and History.*

HORATIO PAUL SCARBOROUGH. Murfreesboro, N.C. 1116 *N. Eutaw St.*
A. B., Wake Forest College, 1903. *Greek, Latin, and English.*

ANDREW DANTE SCHRAG. Moundridge, Kan. 1110 *Argyle Av.*
A. B., Haverford College, 1902. *German and Philosophy.*

REV. JOHN SCHULER. Baltimore. 567 *Mosher St.*
A. B., German Wallace College (O.), 1891. *German, Philosophy, and History.*

WILLIAM HENRY SCHULTZ. Akron, O. 316 *W. Hoffman St.*
Ph. B., Baldwin University, 1899. *Zoology and Physiology.*

PHILIP DARRELL SHERMAN. Pawtucket, R. I. 1213 *Bolton St.*
A. B., Brown University, 1902, and A. M., 1903. *English.*

FORREST SHREVE. Easton. 2100 *Mt. Royal Terr.*
A. B., Johns Hopkins University, 1901. *Botany, Zoology, and Physical Chemistry.*

MARK OWINGS SHRIVER, JR. Baltimore. 607 *St. Paul St.*
A. B., Loyola College, 1902. *Political Economy, Political Science, and History.*

BORIS NICHOLAIEVICH SIMIN. Moscow, Russia. 1317 *Linden Av.*
M. S., Moscow Imperial Technical School, 1902. *Physics.*

EDGEWORTH SMITH. Baltimore. 22 *E. Mt. Vernon Pl.*
A. B., Johns Hopkins University, 1898. *Political Economy, History, and Political Science.*

REV. CHARLES BYFIELD SPARKS. Baltimore. 1805 *N. Calvert St.*
Virginia Theological Seminary, 1893. *English, Hebrew, and French.*

HARRY WILLIAM SPRINGSTEEN. Cleveland, O. 516 *Park Av.*
S. B., Case School of Applied Science, 1897, and M. S., 1900; A. M., Western Reserve University, 1901. *Physics, Physical Chemistry, and Mathematics.*

ROSWELL POWELL STEPHENS. Barnesville, Ga. 927 *McCulloh St.*
A. B., University of Georgia, 1896. *Mathematics, Physics, and Electricity.*

LOYD WILLIAM STEPHENSON. Scio, O. 1314 *Argyle Av.*
Ph. B., Scio College, 1903. *Geology and Chemistry.*

HENRY PHILIP STRAUS. Baltimore. 2350 *Eutaw Pl.*
A. B., Johns Hopkins University, 1902. *Chemistry, Physical Chemistry, and Mineralogy.*

FREDERICK DUDLEY SWINDELL, JR. Goldsboro, N. C. 424 *N. Greene St.*
A. B., Trinity College (N. C.), 1903. *English.*

WILLIAM ANDERSON SYME. Raleigh, N. C. 421 *St. Paul St.*
S. B., N. C. College of Agriculture, 1899, and M. S., 1903. *Chemistry, Biology, and Physiology.*

RENÉ DE M. TAVEAU. Baltimore. 1218 *Mt. Royal Av.*
A. B., Johns Hopkins University, 1899. *Chemistry, Physical Chemistry, and Mineralogy.*

LEVI SHOEMAKER TAYLOR. Philmont, Va. 249 *W. Hoffman St.*
S. B., Swarthmore College, 1898. *Chemistry, Physical Chemistry, and Mathematics.*

JOHN RICHARD TUCKER. Lowesville, Va. 1032 *N. Eutaw St.*
A. M., Randolph-Macon College, 1900. *History, Political Science, and French.*

MAYVILLE WILLIAM TWITCHELL. New York City. 1202 *McCulloh St.*
S. B., Columbian University, 1899, and M. S., 1900. *Geology, Mineralogy, and Biology.*

HORACE SCUDDER UHLER. Baltimore. 1318 *Harlem Av.*
A. B., Johns Hopkins University, 1894. *Physics, Physical Chemistry, and Mathematics.*

WILLIAM REED VEAZEY. New Wilmington, Pa. 1202 *McCulloh St.*
A. B., Westminster College, 1903. *Chemistry.*

HENRY MCGILBERT WAGSTAFF. Olive Hill, N. C. 1214 *McCulloh St.*
Ph. B., University of North Carolina, 1899. *History, Political Economy, and Political Science.*

COLEMAN B. WALLER. Marion, S. C. 424 *N. Greene St.*
A. B., Wofford College, 1892; Ph. D., Vanderbilt University, 1902. *Biology.*

AUGUSTUS PRICE WEST. Baltimore. 2418 *St. Paul St.*
A. B., Johns Hopkins University, 1901. *Chemistry, Physical Chemistry, and Mineralogy.*

LEON FRANKLIN WILLIAMS. Gatesville, N. C. 1214 *McCulloh St.*
A. B., Trinity College (N. C.), 1901, and A. M., 1902. *Chemistry, Physical Chemistry, and Mineralogy.*

WILLIAM PHILLIPS WINTER. New Berlin, Pa. 640 *Clinton Av.*
A. B., Ohio Wesleyan University, 1887, and A. M., 1890. *Chemistry, Physical Chemistry, and Zoology.*

LOUIS BERNARD WOLFENSON. Baltimore. 513 *Laurens St.*
A. B., University of Wisconsin, 1901, and A. M., 1902. *Semitic Philology, Egyptology, and Sanskrit.*

HEMAN A. WOOD. Sturgis, Mich. 906 *McCulloh St.*
S. B., Olivet College, 1900. *Chemistry.*

REV. JAMES OWENS WRIGHTSON. Baltimore. 1031 *E. Monument St.*
Semitic Languages.

CHARLES HENRY YOUNG. Ashland, Va. 1111 *Madison Av.*
A. M., Randolph-Macon College, 1901. *French, Italian, and Spanish.*

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ATTENDANTS ON SINGLE COURSES

Chemistry

JOHN RANDOLPH ROBINSON. Baltimore. 825 *St. Paul St.*
A. B., Yale University, 1903.

Electricity

CHARLES GRIFFIN EDWARDS. Baltimore. 217 *E. Lafayette Av.*
S. B., St. John's College, 1889.

English

REV. WILLIAM HARTLAGE. Howard County. *Ellicott City.*
Lutheran Theological Seminary (St. Paul), 1901.

Geology and Mineralogy

ARTHUR BIBBINS. Baltimore. 2307 *N. Charles St.*
Ph. B., Albion College, 1887.

RICHARD CLAGGETT WILLIAMS. Baltimore. 1726 *N. Calvert St.*
A. B., Princeton University, 1900.

History, Politics, and Economics

HARRY NORMAN BAETJER. Baltimore. 2324 *Callow Av.*
A. B., Johns Hopkins University, 1903.

WILLIAM SELLMAN BIRD. Baltimore. 303 *E. North Av.*
A. B. Johns Hopkins University, 1903.

JOSEPH TOWNSEND ENGLAND. Baltimore. 1507 *Park Av.*
A. B., Johns Hopkins University, 1902.

JOSEPH LOEB. Baltimore. 1821 *Druid Hill Av.*
LL. B., University of Maryland, 1903.

ROBERT KEMP MORTON. Baltimore. 1124 *N. Carey St.*
A. B., Randolph-Macon College, 1903.

PHILIP SACHS. Baltimore. 1135 *E. Fayette St.*
LL. B., University of Maryland, 1903.

JOHN EDWARD SEMMES, JR. Baltimore. 10 *E. Eager St.*
A. B., Princeton University, 1902.

ISAAC LOBE STRAUS. Baltimore. *The Altamont.*
A. B., Johns Hopkins University, 1890; LL. B., University of Maryland, 1892.

Philosophy

FERDINAND COLQUHOUN FISHER. Baltimore. 218 *Laurens St.*
A. B., Johns Hopkins University, 1899.

Romance Languages

FREDERICK PARKER H. PIKE. Baltimore. 2108 *N. Calvert St.*
A. B., Colby College, 1898.

GUY EVERETT SNAVELY. Baltimore. 1039 *N. Eutaw St.*
A. B., Johns Hopkins University, 1901.

Semitic Languages

REV. JOSEPH ADOUAI ST. LAURENT. Baltimore. *Walbrook.*
Licentiate in Theology, St. Mary's Seminary, 1892.

Graduate Students in Medicine

Candidates for the Degree of M. D.

Fourth Year

Jay Harvey Bacon. Tiskilwa, Ill. 1743 *Jefferson St.*
S. B., Knox College, 1900.

Theodore Baker. Bellevernon, Pa. 422 *N. Broadway.*
A. B., Princeton University, 1900.

Robert Bennett Bean. Gala, Va. 2117 *Maryland Av.*
S. B., Virginia Polytechnic Institute, 1900.

Ruth Bennett. Chicago, Ill. 222 *E. Twenty-third St.*
A. B., University of Illinois, 1899, and Graduate Student, Summer of 1899.

John McFarland Bergland. Baltimore. 1116 *N. Charles St.*
S. B., Princeton University, 1900.

Maurice Buford Bonta. Harrodsburg, Ky. 2127 *E. Baltimore St.*
A. B., Kentucky Wesleyan College, 1894; S. B., University of Michigan, 1897.

Walter Vernon Brem, Jr. Morganton, N. C. 510 *N. Broadway.*
S. B., University of North Carolina, 1896, and Medical Department, 1898-1900.

Julius Alexander Caldwell, Jr. Salisbury, N. C. 510 *N. Broadway.*
S. B., University of North Carolina, 1899, Medical Department, 1899-1900, and Summer School, 1900.

John Robert Carr. Durham, N. C. 510 *N. Broadway.*
A. B. University of North Carolina, 1899, Medical Department, 1899-1900, and Summer School, 1900.

DeWitt Bellinger Casler. Little Falls, N.Y. 120 *Jackson Pl.*
A. B., Yale University, 1900.

Ralph Torrey Edwards. Galesburg, Ill. 1725 *Jefferson St.*
A. B., Knox College, 1897, and A. M., 1899.

Anfin Egdahl. Menomonie, Wis. 1632 *Jefferson St.*
S. B., University of Wisconsin, 1900.

Harold Gould Garwood. Denver, Colo. 1638 *Ashland Av.*
S. B., University of Colorado, 1899, and Medical Department, 1899-1901.

Herbert Ziegler Giffin. Atlantic City, N. J. 120 *Jackson Pl.*
S. B., Princeton University, 1900.

Harry Seliger Greenbaum. Baltimore. 1614 *Eutaw Pl.*
A. B., Johns Hopkins University, 1899; Student, University of Berlin, 1899-1900.

Josephine Hemenway. Glasgow, Mo. 529 *N. Wolfe St.*
A. B., Pritchett College, 1898; Bryn Mawr College, 1899-1900.

William Raphael Kellogg. Baltimore. 1905 *Thomas Av.*
A. B., Adelbert College, 1898.

Kenelm Julius Lee. Renville, Minn. 113 *Jackson Pl.*
S. B., University of Wisconsin, 1900.

JOHN MARION LOVE. Petersburg, Va. 1112 *McCulloh St.*
A. B. and B. L., Hampden-Sydney College, 1899; Graduate Student, Johns Hopkins University, 1899-1900.

WILFRED HAMILTON MANWARING. Ann Arbor, Mich. 720 *N. Br'dway.*
S. B., University of Michigan, 1895, and Summer School, 1896 and 1897; University of Chicago, Summer Quarter, 1899, 1900, and 1901.

HERMAN WESTON MARSHALL. Brockton, Mass. 707 *N. Broadway.*
S. B., Massachusetts Institute of Technology, 1897.

WILLIAM CARPENTER MCCARTY. Louisville, Ky. 2121 *E. Baltimore St.*
S. B., Kentucky State College, 1900.

ERNEST CLARE MCGOULDRICK. Machias, Me. 128 *Jackson Pl.*
A. B., Yale University, 1900.

LORENZO SEYMOUR MORGAN. Galva, Ill. 1817 *Guilford Av.*
S. B., Knox College, 1900.

JAMES FRANCIS MORRISON. Thompsonville, Conn. 1734 *E. Fayette St.*
A. B., Harvard University, 1900.

NORMAN OSCAR NELSON. Madison, Wis. 104 *Jackson Pl.*
S. B., University of Wisconsin, 1900.

HENRY FRANKLIN PILLOW. Butler, Pa. 122 *Jackson Pl.*
A. B., Westminster College (Pa.), 1900.

JAMES HENRY RANDOLPH. Tallahassee, Fla. 640 *N. Broadway.*
A. B., Florida State College, 1900.

JEWETT VILLEROY REED. Jeffersonville, Ind. 128 *Jackson Pl.*
S. B., Kentucky State College, 1900.

CHARLES MALLORY REMSEN. Baltimore. 214 *W. Monument St.*
A. B., Johns Hopkins University, 1899, and Graduate Student, 1899-1900.

WILLIAM GRAY RICKER. Ryegate, Vt. 128 *Jackson Pl.*
A. B., Yale University, 1900.

ESTHER ROSENCRANTZ. San Francisco, Cal. 1705 *N. Broadway.*
A. B., Leland Stanford Jr. University, 1899; Barnard College, Columbia University, 1899-1900.

ERNEST SACHS. New York City. 128 *Jackson Pl.*
A. B., Harvard University, 1900.

ORVILLE HICKOK SCHELL. Harrisburg, Pa. 707 *N. Broadway.*
A. B., Yale University, 1900.

HARRY RUSSEL STONE. Middletown, Conn. 12 *N. Ann St.*
Ph. B., Wesleyan University, 1899.

HENRY JOHN STORRS. South Boston, Mass. 1710 *E. Monument St.*
A. B., Amherst College, 1899.

GEORGE LANE TANEYHILL, JR. Baltimore. 1103 *Madison Av.*
A. B., Johns Hopkins University, 1900.

BENJAMIN TAYLOR TERRY. Birmingham, Ala. 720 *N. Broadway.*
A. B., Vanderbilt University, 1898, and A. M., 1900; University of Chicago, Summer Quarter, 1900.

WILLIAM LAWTON THOMPSON. Portland, Me. 318 *N. Broadway.*
A. B., Bowdoin College, 1899.

GEORGE THOMAS TYLER, JR. Fredericksburg, Va. 422 *N. Broadway.*
A. B., Randolph-Macon College, 1896, and A. M., 1897; Summer School, Columbian University, 1899.

WILLIAM JEROME VOGELER. Baltimore. 718 *N. Charles St.*
A. B., Yale University, 1900.

ROBERT GLENDENNING WASHBURN. Milwaukee, Wis. 1250 *N. Broadway.*
S. B., University of Wisconsin, 1900; Wisconsin College of Physicians and Surgeons, 1900-01.

LOUIS SCHNEIDER WEAVER. Newry, Pa. 519 *N. Wolfe St.*
A. B., Pennsylvania College, 1899, and Yale University, 1900.

JOHN SCOTT WILLOCK. Allegheny, Pa. 120 *Jackson Pl.*
S. B., Princeton University, 1900.

WALTER SCOTT WILSON. Savannah, Ga. 1503 *John St.*
A. B., North Georgia Agricultural College, 1880; A. M., University of Georgia, 1884; Johns Hopkins University, 1893-94, and the University of Chicago, 1896-97.

WINFRED WILSON. Weatherford, Tex. 1022 *N. Broadway.*
A. B., Weatherford College, 1900.

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Third Year

RONALD TAYLOR ABERCROMBIE. Baltimore. 827 *Hamilton Terr.*
A. B., Johns Hopkins University, 1901.

CLARENCE ALLEN BAER. Milwaukee, Wis. 118 *Jackson Pl.*
B. L., University of Wisconsin, 1900, and S. B., 1901; University of Michigan, Summer of 1901.

LEON KAHN BALDAUF. Henderson, Ky. 1717 *Madison Av.*
A. B., Johns Hopkins University, 1901.

ALICE MAY BALLOU. Providence, R. I. 144 *Jackson Pl.*
Ph. B., Brown University, 1900, and A. M., 1901.

KLEBER H. BEALL. Fort Worth, Tex. 802 *N. Broadway.*
S. B., and M. S., University of Texas, 1899; M. D., Fort Worth University, 1900.

BERTRAM MOSES BERNHEIM. Louisville, Ky. 1203 *Madison Av.*
A. B., Johns Hopkins University, 1901.

KOSCIUSKO WALKER CONSTANTINE. Birmingham, Ala. 206 *N. Broadway.*
A. B., Johns Hopkins University, 1901.

CALVIN DUVALL COWLES, JR. Baltimore. 1043 *N. Broadway.*
A. B., Guilford College, 1900, and University of North Carolina, 1901.

WILLIAM DICK CUTTER. Brooklyn, N.Y. 1705 *Fairmount Av.*
A. B., Yale University, 1899; Student, University of Bern, 1900.

MURRAY SNELL DANFORTH. Bangor, Me. 318 *N. Broadway.*
A. B., Bowdoin College, 1901.

OTHO LEE DASCOMBE. Wilton, Me. 318 *N. Broadway.*
A. B., Bowdoin College, 1901.

HOWARD IRVING DAVENPORT. Troy, N. Y. 1014 *N. Broadway.*
A. B., Hamilton College, 1901.

HOMER J. DAVIDSON. Crawfordsville, Ind. 718 *N. Broadway.*
S. B., Wabash College, 1899.

ARTHUR WENDELL DAVIS. Hartford, Conn. 114 *Jackson Pl.*
A. B., Yale University, 1899; College of Physicians and Surgeons, New York, 1899-1901.

SOLON ARTHUR DODDS. Reading, Pa. 12 *N. Ann St.*
Ph. B., Wesleyan University (Conn.), 1901.

CHARLES EDWARD DOWMAN, JR. Atlanta, Ga. 12 *N. Ann St.*
A. B., Emory College, 1901; Student, Vanderbilt University, 1901.

JOHN AUGUSTINE ENGLISH EYSTER. Baltimore. 1700 *Linden Av.*
S. B., Maryland Agricultural College, 1899; Graduate Student, Johns Hopkins University, 1899-1901.

CLIFTON MAUPIN FARIS. Sacramento, Cal. 1707 *Fairmount Av.*
A. B., Leland Stanford Jr. University, 1900.

FREDERICK REYNOLDS FORD. Elmira, N. Y. 1014 *N. Broadway.*
S. B., Colgate University, 1901.

ALLEN WIER FREEMAN. Richmond, Va. 120 *Jackson Pl.*
S. B., Richmond College, 1899; Graduate Student, Johns Hopkins University, 1900-01.

PHILIP KINGSNORTH GILMAN. San Francisco, Cal. 516 *Park Av.*
A. B., Leland Stanford Jr. University, 1901.

SARAH MABEL GRIER. Salem, N. J. 144 *Jackson Pl.*
A. B., Bucknell University, 1901.

EDITH HALE. Cambridge, Mass. 144 *Jackson Pl.*
A. B., Radcliffe College, 1901.

FRANCIS JENKS HALL. Brookville, Pa. 1717 *Fairmount Av.*
A. B., Yale University, 1899.

JULIUS THEODORE HALLER. Davenport, Ia. 821 *N. Broadway.*
S. B., University of Chicago, 1901.

HELEN HEMPSTEAD. Meadville, Pa. 615 *St. Paul St.*
A. B., Allegheny College, 1900; Cornell University, 1900-01.

NORVAL THOMAS HEPBURN. Oliver, Va. 505 *N. Wolfe St.*
A. B., Randolph-Macon College, 1900, and A. M., 1901.

REUBEN PAUL HIGGINS. Cortland, N. Y. 313 *N. Broadway.*
A. B., Cornell University, 1902, and Medical Department, 1900-02.

DONALD RUSSELL HOOKER. New Haven, Conn. 1705 *Fairmount Av.*
A. B., Yale University, 1899, and M. S., 1901.

EDITH HOUGHTON. Corning, N. Y. *The St. Paul.*
A. B., Bryn Mawr College, 1900.

HENRY SPENCER HOUGHTON. Cleveland, O. 12 *N. Ann St.*
Ph. B., Ohio State University, 1901.

HENRY MARSHALL LANKFORD. Princess Anne. 423 *N. Broadway.*
A. B., Western Maryland College, 1901.

GEORGE BILTON LAWSON. Wytheville, Va. 632 *N. Washington St.*
A. M., Randolph-Macon College, 1899.

EUGENE JOSEPH LEOPOLD. Baltimore. 1528 *Eutaw Pl.*
A. B., Johns Hopkins University, 1901.

DAVID MARINE. Williston. 113 *Jackson Pl.*
A. B., Western Maryland College, 1900; Graduate Student, Johns Hopkins University, 1900-01.

HENRY AUGUSTUS MARTELLE. Brunswick, Me. 318 *N. Broadway.*
A. B., Bowdoin College, 1901.

ARCHIE LEETE McDONALD. Grand Forks, N. D. 318 *N. Broadway.*
A. B., University of North Dakota, 1901.

ARTHUR WILLIAM MEYER. Cedarburg, Wis. 318 *N. Broadway.*
A. B., University of Wisconsin, 1898.

WILLIAM LORENZO MOSS. Athens, Ga. 1043 *N. Broadway.*
S. B., University of Georgia, 1901.

EUGENE BISHOP MUMFORD. New Harmony, Ind. 104 *Jackson Pl.*
S. B., University of Wisconsin, 1901.

JAMES EDGAR PAULLIN, JR. Fort Gaines, Ga. 118 *Jackson Pl.*
A B., Mercer University, 1900, and Graduate Student, 1900-01.

GEORGE EDWARD REHBERGER. Baltimore. 801 *N. Broadway.*
A. B., Johns Hopkins University, 1901.

LAWRENCE J. RHEA. Rhea Mills, Texas. 802 *N. Broadway.*
S. B., University of Texas, 1901.

EDWARD HENDERSON RICHARDSON. Farmville, Va. 1112 *McCulloh St.*
A. B., Hampden-Sidney College, 1900; Graduate Student, Johns Hopkins University, 1900-01.

CHARLES RICKSHER. Fairfield, Ia. 111 *Jackson Pl.*
S. B., Parsons College (Ia.), 1901.

MARTIN PHILIP RINDLAUB, JR. Plattesville, Wis. 802 *N. Broadway.*
B. L., University of Wisconsin, 1899; University of Chicago, 1897 and 1900; University of Berlin, 1900-01.

MARY JANE ROSS. Waverly, N.Y. 313 *N. Broadway.*
A. B., Cornell University, 1898, and Ph. D., 1902; A. M., University of Pennsylvania, 1900; Woman's Medical College of Pennsylvania, 1898-99.

FRANK PEYTON ROUS. Baltimore. 252 *W. Hoffman St.*
A. B., Johns Hopkins University, 1900.

OSCAR MANDERSON SCHLOSS. Eufaula, Ala. 118 *Jackson Pl.*
S. B., Alabama Polytechnic Institute, 1901.

ROBERT BARNARD SLOCUM. Albany, N.Y. 1014 *N. Broadway.*
Ph. B., University of Rochester, 1900, and Graduate Student, 1900-01.

LEWIS FREDERIC SMEAD. Columbus, O. 1032 *N. Broadway.*
A. B., Wooster University, 1901; Summer School, University of Wisconsin, 1901.

CHARLES WALTER STONE. Ben Avon, Pa. 1043 *N. Broadway.*
A. B., Washington and Jefferson College, 1901.

CAROLINE BENSON TOWLES. Baltimore. 131 *W. Twentieth St.*
A. B., Woman's College of Baltimore, 1893.

LUCIUS TUTTLE. New Haven, Conn. 520 *N. Broadway.*
A. B., Yale University, 1901.

DOUGLAS VANDERHOOF. Baltimore. 1313 *N. Luzerne St.*
B. L., Dartmouth College, 1901.

RUFUS ADRIAN VAN VOAST. Cincinnati, O. 804 *N. Broadway.*
Ph. B., Yale University, 1900; Student, University of Cincinnati, 1901.

EGBERT HAMMOND P. WARD. White Plains, N.Y. 804 *N. Broadway.*
A. B., Columbia University, 1901.

GEORGE HOYT WHIPPLE. Ashland, N. H. 104 *Jackson Pl.*
A. B., Yale University, 1900.

HARRY ISAAC WIEL. San Francisco, Cal. 1707 *Fairmount Av.*
A. B., Leland Stanford Jr. University, 1900; Student, Harvard University, 1901.

NANNIE LEE WINN. Clayton, Ala. 12 *N. Ann St.*
A. B., Woman's College of Baltimore, 1900.

HIRAM LAMONT YOUTZ. Des Moines, Ia. 1032 *N. Broadway.*
Ph. B., Brown University, 1900, and A. M., 1901.

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Second Year

HENRY ADSIT. Hornellsville, N. Y. 731 *W. Lanvale St.*
A. B., Princeton University, 1902.

FRANK C. AINLEY. Des Moines, Ia. 1735 *N. Broadway.*
S. B., Drake University, 1902.

VIVIA BELLE APPLETON. Tama, Ia. 2103 *Oak St.*
A. B., Cornell University, 1901, and Medical Department, 1901-02.

FREDERIC WOLCOTT BANCROFT. Denver, Colo. 1117 *N. Eutaw St.*
A. B., Leland Stanford Jr. University, 1902.

HERSCHEL WINSTON BASS. Ashville, Ala. 1041 *N. Broadway.*
S. B., Alabama Polytechnic Institute, 1901, and M. S., 1902.

FRANK C. BEALL. Fort Worth, Tex. 802 *N. Broadway.*
S. B., University of Texas, 1902.

EDWARD BAILEY BEASLEY. Baltimore. 1314 *Bolton St.*
A. B., Johns Hopkins University, 1902.

HENRY BEEUWKES. Baltimore. 2005 *Druid Hill Av.*
A. B., Johns Hopkins University, 1902.

ALBERT HENRY BEIFELD. Chicago, Ill. 126 *Jackson Pl.*
A. B., Harvard University, 1902.

GAINS WILLIAMS BILLUPS. North, Va. 929 *Patterson Park Av.*
A. B., Rock Hill College, 1902.

JULIAN RAYMOND BLACKMAN. Hastings, Neb. 533 *N. Wolfe St.*
A. B., University of Nebraska, 1902.

PHOEBE MAY BOGART. New York City. 144 *Jackson Pl.*
A. B., Wellesley College, 1902.

WALTER JAMES BOLAND. Troy, N. Y. 118 *Jackson Pl.*
A. B., Williams College, 1902.

EDWARDS BENNETT BROWN. Beloit, Wis. 1019 *N. Broadway.*
A. B., Beloit College, 1901; Wisconsin College of Physicians and Surgeons, 1901-1903.

LOUIS HERBERT BURLINGHAM. Willimantic, Conn. 310 *E. 22nd St.*
A. B., Yale University, 1902.

CHARLES METCALFE BYRNES. Natchez, Miss. 125 *Jackson Pl.*
S. B., University of North Carolina, 1902.

JOHN ROBERTS CAULK. Easton. 103 *Jackson Pl.*
A. B., St. John's College, 1901; Georgetown University, 1901-02.

FRANK HIGBEE CHURCH. Boonville, N.Y. 1014 *N. Broadway.*
A. B., Hamilton College, 1902.

OREN HOWARD COBB. New York City. 424 *N. Broadway.*
A. B., Harvard University, 1902.

T. HOMER COFFIN. Spencer, Ia. 619 *N. Wolfe St.*
S. B., Penn College, 1901.

HERBERT PHALON COLE. Fergus Falls, Minn. 318 *N. Broadway.*
A. B., St. Lawrence University, 1901; Student of Medicine, University of Minnesota, 1901-02.

EGERTON L. CRISPIN. Salem, N. J. 619 *N. Wolfe St.*
Ph. B., Illinois College, 1902.

ERNEST SAMUEL CROSS. Exeter, N. H. 318 *N. Broadway.*
A. B., Dartmouth College, 1901.

VICTOR FRANCIS CULLEN. Williamsport. 929 *Patterson Park Av.*
A. B., Rock Hill College, 1902.

GASTON DAY. Tallahassee, Fla. 1735 *N. Broadway.*
S. B., Florida State College, 1902.

RICHARD NIXON DUFFY. New Berne, N. C. 520 *N. Broadway.*
A. B., University of North Carolina, 1902.

FRANCIS FISHER EBERSOLE. Mount Pleasant, Pa. 527 *N. Wolfe St.*
A. B., Cornell College, 1902.

JOHN ANDREW FREESE. Cadwell, Ill. 422 *N. Broadway.*
A. B., University of Illinois, 1902.

EUGENE PRICE GRAY. Winston-Salem, N. C. 520 *N. Broadway.*
A. B., University of North Carolina, 1902.

HERBERT LEE GRAY. Waterville, Me. 1119 *Bolton St.*
A. B., Colby College, 1902.

INSLEE BLAIR GREENE. Belvidere, N.J. 310 *E. 22nd St.*
Ph. B., Yale University, 1902.

FRANKLIN WEBB GRIFFITH. Upper Marlboro. 1021 *N. Broadway.*
A. B., Western Maryland College, 1902.

ARTHUR HEYWOOD GRISWOLD. Worcester, Mass. 106 *Jackson Pl.*
A. B., Harvard University, 1902.

HENRY HONEYMAN HAZEN. Washington, D. C. 1005 *McCulloh St.*
A. B., Johns Hopkins University, 1902.

HENRY FREDERIC HELMHOLZ. Milwaukee, Wis. 106 *Jackson Pl.*
S. B., University of Wisconsin, 1902; Summer Quarter, University of Chicago, 1902.

CHARLES WILLIAM HENNINGTON. Buffalo, N.Y. 1632 *Jefferson St.*
S. B., University of Rochester, 1902.

MINERVA HERRINTON. Greenville, Ia. 605 *St. Paul St.*
A. B., Cornell College, 1900; Graduate Student, Lewis Institute (Chicago), 1902.

JOSEPH HENRY HEWITT. Mapleton, Va. 533 *N. Wolfe St.*
A. B., University of North Carolina, 1899, and Medical Department, 1901-02; Harvard Medical School, Summer, 1902.

GEORGE CLARENCE HINDS. Milton, Mass. *Hotel Hopkins.*
A. B., Harvard University, 1902.

FRANK HINMAN. Forest Grove, Ore. 140 *Jackson Pl.*
A. B., Leland Stanford Jr. University, 1902.

JOSEPHINE D. HUNT. Lexington, Ky. 1405 *Park Av.*
A. M., Kentucky University, 1902.

ELLIOTT H. HUTCHINS. Barstow. 127 *N. Broadway.*
A. B., St. John's College, 1902.

CLARENCE B. INGRAHAM, JR. Hartford, Conn. 1223 *McCulloh St.*
Ph. B., Yale University, 1902.

LAWRENCE LEOPOLD ISEMAN. Kansas City, Mo. 813 *Harlem Av.*
Ph. B., Lafayette College, 1902.

WLLLIAM FINNEY KELLAM. Wachapreague, Va. 505 *N. Wolfe St.*
A. B., Randolph-Macon College, 1902.

EUGENE ROBERT KELLY. Bangor, Me. 318 *N. Broadway.*
A. B., Bowdoin College, 1902.

JOHN HENDRICKEN KING. Baltimore. *The Albion.*
A. B., Johns Hopkins University, 1899, and Graduate Student, 1899-1902.

MARY BARKER KINGSBURY. Pottsville, Pa. 239 *W. Biddle St.*
A. B., Wellesley College, 1899; Harvard Summer School, 1899.

WILHELM EDMUND HARMON KRECHTING. New Germantown, N. J.
A. B. Princeton University, 1902. 1020 *W. Lanvale St.*

HARRY LESLIE LANGNECKER. New Brighton, Pa. 516 *Park Av.*
A. B., Leland Stanford Jr. University, 1901.

ANDRE EDWARD LEE. San Francisco, Cal. 136 *Jackson Pl.*
A. B., Leland Stanford Jr. University, 1902.

JOSEPH STOCKING LEWIS. Buffalo, N.Y. 220 *E. Eager St.*
A. B., Canisius College, 1902.

DAVID ISRAEL MACHT. Baltimore. 1707 *E. Baltimore St.*
A. B., Johns Hopkins University, 1902.

GEORGE MARSDEN. New Bedford, Mass. 414 *W. Hoffman St.*
Ph. B., Brown University, 1900.

ENOCH MARVIN MASON. Birmingham, Ala. 1041 *N. Broadway.*
S. B., Alabama Polytechnic Institute, 1900, and M. S., 1901.

CARL R. MELOY. Springfield, O. 1743 *Jefferson St.*
A. B., Wittenberg College, 1902.

ROBERT EMORY MOORE. Baltimore. 1347 *York Road.*
A. B., Johns Hopkins University, 1902.

ARTHUR HENRY MORSE. Salem, Mass. 127 *N. Broadway.*
A. B., Tufts College, 1902; Harvard Medical School, Summer of 1903.

AGNES GORDON MURDOCH. Baltimore. 410 *Cathedral St.*
A. B., Woman's College of Baltimore, 1902.

LYMAN CLEMENTS MURPHY. Burlington, N. C. 930 *Madison Av.*
A. B., Johns Hopkins University, 1902.

MARY ELEANOR NAST. Cincinnati, O. 144 *Jackson Pl.*
A. B., Woman's College (Balt.), 1902; University of Chicago, 1902-03.

JOHN FRANCIS ORTSCHILD. Portland, Ore. 318 *N. Broadway.*
A. B., Leland Stanford Jr. University, 1899.

CARROLL DUNHAM PARTRIDGE. Bennington, Vt. 520 *N. Broadway.*
S. B., University of Vermont, 1900.

ROBERT PATEK. San Francisco, Cal. 126 *Jackson Pl.*
S. B., University of California, 1901.

ISAAC ROSENBAUM PELS. Baltimore. 1509 *Madison Av.*
A. B., Johns Hopkins University, 1902.

DAMON BECKETT PFEIFFER. Williamstown, N. J. 120 *Jackson Pl.*
A. B., Princeton University, 1902.

BENJAMIN SWAYNE PUTTS. Baltimore. 1115 *W. Lanvale St.*
A. B., Johns Hopkins University, 1902.

RALPH R. REA. Grundy Center, Ia. 127 *N. Broadway.*
S. B., Iowa State University, 1899.

FRANCIS HAMILTON REDEWILL. Berkeley, Cal. 127 *N. Broadway.*
S. B., University of California, 1902.

RICHARD FREDERIC LOT RIDGWAY. Cream Ridge, N.J. 212 *N. Broadway.*
A. B., Princeton University, 1898, and A. M., 1902.

HENRY CAMP RUSS. Hartford, Conn. 1717 *Fairmount Av.*
A. B., Yale University, 1902.

HAROLD PAINE SAWYER. Lansingburg, N.Y. 2103 *Oak St.*
S. B., University of Alabama, 1902.

EDWIN HENRY SCHORER. Plymouth, Wis. 306 *W. Lanvale St.*
S. B., University of Wisconsin, 1902.

LAMAR SEELEY. Portland, Ore. 529 *N. Wolfe St.*
A. B., Williams College, 1902

RALPH BERGER SEEM. Bangor, Pa. 318 *N. Broadway.*
Ph. B., Lafayette College, 1902.

FRANK JOSEPH SLADEN. Portland, Ore. 1223 *McCulloh St.*
A. B., Yale University, 1902.

HARRY GORDON SLOAN. Pittsburg, Pa. 212 *N. Broadway.*
A. B., Washington and Jefferson College, 1902.

HARVEY BRINTON STONE. Towson. *Towson.*
A. B., Johns Hopkins University, 1902.

PERSIS R. STRAIGHT. Bradford, Pa. 800 *N. Broadway.*
A. B., Smith College, 1902.

SOLOMON STROUSE. Baltimore. 1704 *Eutaw Pl.*
A. B., Johns Hopkins University, 1902.

HENRY CLARKE THACHER. Baltimore. 209 *E. Preston St.*
A. B., Yale University, 1902, and Medical Department, 1902-03.

PHILIP PICKERING THOMPSON. Portland, Me. 318 *N. Broadway.*
A. B., Dartmouth College, 1902; Medical School of Maine, 1902-03.

WILLIS WILLARD WAITE. Brooklyn, Wis. 1250 *N. Broadway.*
S. B., University of Wisconsin, 1902.

HAROLD RANDALL WEBB. Brunswick, Me. 1020 *N. Broadway.*
A. B., Bowdoin College, 1902.

GEORGE HOWARD WHITE, JR. Catonsville. *Catonsville.*
A. B., Princeton University, 1902.

FREDERICK PETHERAM WILBUR. Skaneateles, N. Y. 118 *Jackson Pl.*
A. B., Williams College, 1902.

JOHN ARTHUR WINTER. Negaunee, Mich. 103 *Jackson Pl.*
A. B., University of Michigan, 1902.

GILMAN JOSEPH WINTHROP. Tallahassee, Fla. 1640 *N. Broadway.*
A. B., University of the South, 1902.

BENJAMIN EDGAR WOLFORT. St. Louis, Mo. 108 *Jackson Pl.*
S. B., University of Pennsylvania, 1902, and Medical Department, 1901-02.

SAMUEL WOLMAN. Baltimore. 1211 *McElderry St.*
A. B., Johns Hopkins University, 1902.

THOMAS MELVILLE WRIGHT, JR. Troy, O. 823 *N. Washington St.*
A. B., Indiana University, 1901.

PEREGRINE WROTH, JR. Baltimore. 215 *E. Preston St.*
A. B., Johns Hopkins University, 1902.

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First Year

MERLE THERON ADKINS. Troy, Wis. 1019 *N. Broadway.*
S. B., Beloit College, 1903.

SIDNEY HERMAN ADLER. Baltimore. 809 *Newington Av.*
A. B., Johns Hopkins University, 1904.

WALTER LEWIS BARBER, JR. Waterbury, Conn. 113 *W. Saratoga St.*
A. B., Yale University, 1903.

FRANCIS MERRIMAN BARNES, JR. Middletown, N.Y. 432 *N. Broadway.*
A. B., Hamilton College, 1903.

EDWARD GRANT BIRGE. Madison, Wis. 1025 *N. Broadway.*
S. B., University of Wisconsin, 1903.

MONTAGUE LAFFITTE BOYD. Oxford, Ga. 1757 *Jefferson St.*
Ph. B., Emory College, 1903.

LEVERETT DALE BRISTOL. Washington, D. C. 1734 *E. Fayette St.*
S. B., Wesleyan University (Conn.), 1903.

CHESTER TIMOTHY BROWN. Atlantic City, N.J. 1502 *Linden Av.*
S. B., Rutgers College, 1903.

WADE HAMPTON BROWN. Marshall, Tex. 1022 *N. Broadway.*
S. B., University of Nashville, 1899; University of Chicago, 1902-03.

FREDERICK DABNEY BULLOCK. Lexington, Ky. 632 *N. Washington St.*
S. B., Kentucky State College, 1899.

EDWARD KIMBALL BURBECK. Manchester, N. H. 821 *N. Broadway.*
A. B., Dartmouth College, 1903.

CHARLES BURNSIDE. Audubon, Ia. 1720 *Fairmount Av.*
Ph. B., Iowa College, 1903.

WAID EDWIN CARSON. Ripley, W. Va. 1725 *Jefferson St.*
A. B., Ohio Wesleyan University, 1900; Spring and Summer Quarters, University of Chicago, 1903.

JAMES H. CHESTNUTT. Hot Springs, Ark. 908 *N. Broadway.*
A. B., University of Virginia, 1903.

ELIOT ROUND CLARK. Wethersfield, Conn. 1717 *Fairmount Av.*
A. B., Yale University, 1902.

PAUL WISWALL CLOUGH. Portage, Wis. 1025 *N. Broadway.*
S. B., University of Wisconsin, 1903.

EDWARD VINCENT COOLAHAN. Baltimore. 41 *S. Schroeder St.*
A. B., Rock Hill College, 1903.

FRED YOHN CRONK. Westminster. 1202 *E. Preston St.*
S. B., St. John's College, 1903.

ROBERT LAW CUNNINGHAM. Newburgh, N.Y. 122 *Jackson Pl.*
A. B., Wabash College, 1903.

CLINE FLEMMING DAVIDSON. Crawfordsville, Ind. 718 *N. Broadway.*
S. B., Wabash College, 1900; University of Illinois, 1901-03.

PAUL HERMAN DERNEHL. Milwaukee, Wis. 1025 *N. Broadway.*
S. B., University of Wisconsin, 1903.

WILLIAM WERT DINSMORE. Decatur, Ala. 1041 *N. Broadway.*
S. B., Alabama Polytechnic Institute, 1903.

ALPHONSE RAYMOND DOCHEZ. Harford Furnace. 710 *Park Av.*
A. B., Johns Hopkins University, 1903.

ROBERT WEYER DUNLAP. Washington, Pa. 1520 *E. Monument St.*
A. B., Washington and Jefferson College, 1903.

DAN HUGHES DUPREE. Danville, Ga. 122 *Jackson Pl.*
S. B., University of Georgia, 1903.

RICHARD TILGHMAN EARLE. Centreville. 1520 *E. Monument St.*
Ph. B., Dickinson College, 1903.

WILLIS DEW GATCH. Aurora, Ind. 127 *Jackson Pl.*
A. B., Indiana University, 1901.

WILHELMINA VON GERBER. Weston, Mass. 429 *N. Broadway.*
A. B., Bryn Mawr College, 1903.

GEORGE BURTON GILBERT. Thomaston, Conn. 111 *Jackson Pl.*
A. B., Yale University, 1903.

HENRY GRABER. Royersford, Pa. 1216 *Madison Av.*
A. B., Ursinus College, 1903.

CLYDE GRAEME GUTHRIE. Indiana, Pa. 813 *Harlem Av.*
A. B., Lafayette College, 1903.

ALECK PERKINS HARRISON. Tallahassee, Fla. 122 *Jackson Pl.*
A. B., Florida State College, 1899.

MILTON HAHN. Washington, D. C. 107 *Jackson Pl.*
A. B., Harvard University, 1903.

GEORGE WASHINGTON K. HARTMAN. Merced, Cal. 1520 *E. Monument St.*
S. B., University of California, 1903.

FRANKLIN HAZLEHURST, JR. Baltimore. 2112 *St. Paul St.*
A. B., Johns Hopkins University, 1903.

RALPH WELLINGTON HELLENBRAND. Old Town, Me. 432 *N. Broadway.*
A. B., Bowdoin College, 1903.

ELIZABETH SINGLEY HELLWEG. Baltimore. 210 *S. Washington St.*
A. B., Woman's College of Baltimore, 1899.

GLADYS ROWENA HENRY. Burchard, Neb. 144 *Jackson Pl.*
S. B., University of Nebraska, 1900.

GEORGE JULIUS HEUER. Madison, Wis. 1025 *N. Broadway.*
S. B., University of Wisconsin, 1903.

EBEN CHARLES HILL. Baltimore. 2120 *N. Charles St.*
A. B., Johns Hopkins University, 1903.

CHARLES LANE HINCHER. Kent, N. Y. 908 *N. Broadway.*
S. B., University of Rochester, 1903.

JOSEPH GARDNER HOPKINS. Brooklyn, N. Y. 120 *Jackson Pl.*
A. B., Columbia University, 1902.

PHILIP HUGHES. Lima, Ind. 122 *Jackson Pl.*
A. B., Wabash College, 1903.

HERBERT LESTER KELLEY. Franklin Falls, N. H. 422 *N. Broadway.*
A. B., Dartmouth College, 1903.

ALLEN KRAMER KRAUSE. Lebanon, Pa. 113 *Jackson Pl.*
A. B., Brown University, 1901, A. M., 1902, and Graduate Student, 1902-1903.

WILLIAM OSCAR LAMOTTE. LaMotte. 1202 *E. Preston St.*
S. B., St. John's College, 1902.

SALLY PORTER LAW. Hartford, Conn. 429 *N. Broadway.*
A. B., Bryn Mawr College, 1903.

TIMOTHY LYMAN. Barre, Mass. 821 *N. Broadway.*
A. B., Dartmouth College, 1903.

BETHUEL BOYD VINCENT LYON. Philadelphia, Pa. 107 *Jackson Pl.*
A. B., Williams College, 1903.

PERRY WILLIAM MCLAUGHLIN. Mason-Dixon, Pa. 331 *St. Paul St.*
A. B., Pennsylvania College, 1903.

EDWARD FALL MALONE. Nashville, Tenn. 515 *Cathedral St.*
A. B., Vanderbilt University, 1903.

NORRIS GREY ORCHARD. Fargo, N. Dak. 116 *Jackson Pl.*
S. B., Fargo College, 1903.

FRED THOMAS OWENS. West Winfield, N. Y. 432 *N. Broadway.*
A. B., Hamilton College, 1903.

CHARLES BENJAMIN PALMER. Little Falls, N.Y. 1021 *N. Broadway.*
A. B., Harvard University, 1901.

WILLIAM TURNER PARSONS. Baltimore. 1623 *N. Calvert St.*
A. B., Johns Hopkins University, 1903.

WILLIAM OTTO PAULL. Cincinnati, O. *Ann St. & Fairmount Av.*
A. B., University of Cincinnati, 1902.

GEORGE PEIRCE. Haverford, Pa. 1412 *E. Chase St.*
A B., Haverford College, 1903.

EUGENE LEO PESSAGNO. Baltimore 908 *Eastern Av.*
A. B., Johns Hopkins University, 1903.

HARRY WARD PLAGGEMEYER. Baltimore. 1040 *Hopkins Av.W.*
A. B., Johns Hopkins University, 1903.

PAUL PREBLE. Auburn, Me. 432 *N. Broadway.*
A. B., Bowdoin College, 1903.

ALEXANDER RANDALL. Annapolis. 103 *Jackson Pl.*
A. B., St. John's College, 1902; Graduate Student, Johns Hopkins University, 1902-1903.

DANIEL PATTEE RAY. Tyrone, Pa. 1520 *E. Monument St.*
A. B., Dickinson College, 1903.

CLARENCE ADAIR RHODES. Buchanan, Va. 806 *N. Broadway.*
A. B., Randolph-Macon College, 1903.

CHARLES WOODWARD RILEY. Baltimore. 1113 *Madison Av.*
A. B., Johns Hopkins University, 1903.

FREDERICK AUGUSTUS ROEKEL. Zanesville, O. 12 *N. Ann St.*
Ph. B., Ohio State University, 1903.

EDGAR POE SANDROCK. Baltimore. 1242 *N. Broadway.*
A. B., Johns Hopkins University, 1903.

HIRAM SIBLEY SCHUMACHER. Rochester, N.Y. 908 *N. Broadway.*
Ph. B., University of Rochester, 1903.

WILL FARQUHAR SHALLENBERGER. Edgewood, Pa. 212 *N. Broadway.*
A. B., Washington and Jefferson College, 1903.

GEORGE ARTHUR SMITH. Hartford, Conn. 111 *Jackson Pl.*
A. B., Yale University, 1903.

JOSEPH TATE SMITH, JR. Baltimore. 1010 *Madison Av.*
A. B., Johns Hopkins University, 1903.

CHARLES GRANVILLE SOUDER. Lafayette, Ind. 1024 *N. Broadway.*
S. B., Ohio State University, 1903.

CHARLES HENRY STUBENRAUCH. Baltimore. 2027 *McCulloh St.*
A. B., Johns Hopkins University, 1903.

WILLIAM MONTEFIORE THALHIMER. Richmond, Va. 910 *Newington Av.*
S. B., Richmond College, 1903; Cornell University, Summer Sessions of 1902 and 1903.

CHARLES HENRY TURKINGTON. Morris, Conn. 1717 *Fairmount Av.*
Ph. B., Yale University, 1903.

PERCY THEODORE WATSON. Northfield, Minn. 1019 *N. Broadway.*
A. B., Carleton College, 1903.

WILLIAM HENDERSON WHITE. Carlisle, Pa. 1520 *E. Monument St.*
A. B., Dickinson College, 1903.

MILTON CHARLES WINTERNITZ. Baltimore. 116 *S. Broadway.*
A. B., Johns Hopkins University, 1903.

PHYSICIANS ATTENDING SPECIAL COURSES, 1903-1904.

WILLIAM G. BOOTH. Seattle, Wash.
M. D., Baltimore Medical College, 1898. *Surgery.*

D. GEORGE J. CAMPBELL. Halifax, N. S. 600 *N. Broadway.*
M. D. C. M., Dalhousie University, 1902. *Pathology and Surgery.*

PHILIP EUGENE CRAIG. Baltimore. 1026 *Edmondson Av.*
M. D., Baltimore Medical College, 1897. *Surgery.*

CHARLES L. CREIDER. Zanesville, O. 806 *N. Broadway.*
M. D., Starling Medical College, 1890. *Surgery.*

JOSEPH FIFE. San Francisco, Cal.
S. B., University of California, 1894; M. D., Cooper Medical College, 1896. *Pathology and Medicine.*

BOYCE W. FONTAINE. Barnes, La. *Hotel Hopkins.*
M. D., University of Pennsylvania, 1897. *Medicine.*

ROBERT C. FORSYTH. St. Louis, Mo. 800 *N. Broadway.*
M. D., Washington University, 1902. *Medicine and Pathology.*

JOSEPH I. FRANCE. Baltimore. 1311 *N. Charles St.*
A. B., Hamilton College, 1895; M. D., College of Physicians and Surgeons (Balt.), 1903. *Medicine, Neurology, and Pathology.*

DONALD J. FRICK. Los Angeles, Cal. 113 *Jackson Pl.*
M. D., University of California, 1899. *Bacteriology and Medicine.*

EPHRAIM G. GOWANS. Mt. Pleasant, Utah. 17 *N. Ann St.*
S. B., Brigham Young College (Utah), 1894; M. D., Baltimore Medical College, 1897. *Anatomy and Neurology.*

EMERSON L. HODGINS. Lucan, Ont. 318 *N. Broadway.*
M. B., University of Toronto, 1903. *Pathology.*

KINGSLEY HOLMES. Chatham, Ont. 318 *N. Broadway.*
M. B., University of Toronto, 1903. *Pathology.*

MILTON S. IRELAND. Atlantic City, N. J.
M. D., Jefferson Medical College, 1902. *Surgery.*

RONALD MACKECHNIE. Brighton, Ont. *Catonsville.*
M. D. C. M., Trinity University (Toronto), 1900. *Surgery.*

WALTER N. MINER. Calais, Me. 713 *Harlem Av.*
M. D., Baltimore Medical College, 1898. *Surgery.*

HARRY D. PURDUM. Baltimore. *Bay View Asylum.*
M. D., University of Maryland, 1902. *Pathology.*

AUSTEN F. RIGGS. New York City. 809 *Park Av.*
M. D., Columbia University, 1902. *Pathology.*

J. LAZELLE SAWYERS. Centreville, Ia. *The Albion.*
M. D., Chicago Medical College, 1878. *Bacteriology.*

EMILE SCHMOLL. Basle, Switzerland. 600 *N. Broadway.*
M. D., University of Basle, 1896. *Pharmacology.*

JOHN B. SCHWATKA. Baltimore. 1003 *N. Broadway.*
M. D., University of Maryland, 1882. *Dermatology.*

WILLIAM H. SMITH. Baltimore.
M. D., University of Maryland, 1900. *Pathology.*

CLARA S. STOLTENBERG. Stanford University, Cal.
A. B., Leland Stanford University, 1896, and A. M., 1897. *Neurology and Pathology.*

HEDLEY V. TWEEDIE. Baltimore. 664 *W. Fayette St.*
M. D., Baltimore Medical College, 1897. *Orthopedic Surgery.*

CHARLOTTE C. WEST. Philadelphia, Pa. 513 *Cathedral St.*
M. D., Woman's Medical College (Phila.), 1894. *Bacteriology.*

VIRGIL G. WILLIAMS. La Grange, Ga. 1012 *N. Broadway.*
M. D., College of Physicians and Surgeons (Balt.), 1901. *Surgery and Pediatrics.*

HAMILTON WRIGHT. Baltimore. 311 *Oakdale Rd., Roland Pk.*
M. D. C. M., McGill University, 1895; late Organizing Director, Institute for Medical Research in the Federated Malay States of the London School of Tropical Studies. *Pathology.*

PHYSICIANS ATTENDING SPECIAL COURSES, APRIL, MAY, AND JUNE, 1903

[Not enrolled in the Register for 1902-03]

CHARLES B. ALLEN. Otterbein, Ind.
M. D., Northwestern University, 1898. *Obstetrics and Gynecological Diagnosis.*

HOMER J. BIRNEY. Whatcom, Wash.
M. D., Rush Medical College, 1882. *Medicine, Surgery, Clin. Microscopy, and Surg. Pathology.*

FRANCIS JAMES BURROWS. Seaforth, Ont.
M. D., Trinity College (Canada), 1893. *Medicine, Clin. Microscopy, Pathology, and Phys. Diagnosis.*

ELMORE E. BUTTERFIELD. Washington, D. C.
M. D., Columbian University, 1903. *Pathology.*

C. N. CALLANDER. Fargo, N. D.
M. B., Trinity Medical College (Toronto), 1897. *Medicine, Pathology, and Phys. Diagnosis.*

ELWYN W. CAPEN. Stoughton, Mass.
M. D., Boston University, 1892. *Medicine and Dermatology.*

JEAN M. COOKE. Chicago, Ill.
M. D., University of Michigan, 1895. *Pathology, Surg. and Gynecol, Pathology, and Clin. Microscopy.*

KARL DOEGE. Marshfield, Wis.
M. D., Western Reserve University, 1890. *Surgical Pathology and Operative Surgery.*

LOUIS DUNN. Corinth, Ky.
M. D., Ohio Medical College (Cincinnati), 1887. *Medicine, Pathology, and Clin. Microscopy.*

JOSEPH E. GATELY. Baltimore.
M. D., University of Maryland, 1902. *Physical Diagnosis.*

ARTHUR R. GOULD. Baltimore.
M. D., Baltimore Medical College, 1903. *Medicine, Surg. Pathology, and Operative Surgery.*

JOSEPH R. T. GRAY. Chester, Pa.
M. D., Hahnemann Medical College, 1898. *Bacteriology, Pathology, and Gynecol. Pathology.*

HENRY GREEN. Dothan, Ala.
M. D., Medical College of Alabama (Mobile), 1892. *Surgery.*

EDITH S. HAMMOND. San Francisco, Cal.
A. B., Leland Stanford Jr. University, 1898; M. D., Cooper Medical College, 1901. *Medicine and Dermatology.*

GEORGE J. HANLEY. Moorhead, Minn.
M. D., Bellevue Hospital Medical College (N. Y.), 1887. *Gynecology, Gynecol. Diagnosis, and Pathology.*

DAVID E. HOFF. Union Bridge.
M. D., University of Maryland, 1902. *Operative Surgery, Laryngology, and Rhinology.*

HENRY WARNER JOHNSON. Hudson, N. Y.
A. B., Hamilton College, 1889, and A. M., 1892; M. D., Albany Medical College, 1891. *Surgery, Operative Surgery, and Phys. Diagnosis.*

LOREN B. T. JOHNSON. Washington, D. C.
M. D., Georgetown University, 1900. *Medicine.*

FREDERICA A. KEEP. Los Angeles, Cal.
M. D., University of Southern California, 1900. *Medicine.*

CHARLES L. KING. Pasadena, Cal.
M. D., Northwestern University, 1880. *Medicine.*

ALONZO F. KRAMPS. Chicago, Ill.
M. D., Rush Medical College, 1895. *Physical Diagnosis.*

FREDERIC MORTIMER LAWRENCE. Philadelphia, Pa.
A. M., Syracuse University, 1891; M. D., Hahnemann Medical College, 1894. *Phys. Diagnosis, Pathology, and Bacteriology.*

ISAAC I. LEMANN. New Orleans, La.
A. B., Tulane University, 1895, and Harvard University, 1896; M. D., Tulane University, 1900. *Gynecol. Diagnosis, Gynecol. Pathology, and Cystoscopy.*

EDWARD C. LESLIE. Pittsburg, Pa.
M. D., Hahnemann Medical College, 1901. *Medicine, Clin. Microscopy, and Gynecol. Diagnosis.*

H. JUDSON LIPES. Albany, N. Y.
M. D., Albany Medical College, 1897. *Obstetrics, Cystoscopy, Gynecol. Pathology, and Gynecol. Diagnosis.*

ARTHUR E. MAISCH. Globe, Ariz.
M. D., Missouri Medical College (St. Louis), 1896. *Rhinology and Laryngology, Anatomy, Medicine, and Clin. Microscopy.*

HARRINGTON MARR. Nashville, Tenn.
M. D., Vanderbilt University, 1896. *Medicine and Phys. Diagnosis.*

WILLIAM R. MAY. Baltimore.
A. B., Harvard University, 1894, and M. D., 1898. *Pathology, Bacteriology, and Operative Surgery.*

ALBERTUS NEWSON. Baltimore.
M. D., Jefferson Medical College, 1892. *Pediatrics.*

FRANK D. PEASE. Ft. Harrison, Mont.
M. D., Jefferson Medical College, 1893. *Medicine, Pathology, and Phys. Diagnosis.*

JAMES A. PETTIT. Roseland, Va.
M. D., University of Virginia, 1896. *Physical Diagnosis.*

ERIC P. QUAIN. Bismarck, N. D.
M. D., University of Minnesota, 1898. *Operative Surgery, Surg. Pathology, Gynecol. Diagnosis, and Cystoscopy.*

WALTHER RIDDLE. Pittsburg, Pa.
S. B., Western University of Pennsylvania, 1892; Ph. D., Heidelberg, 1894. *Bacteriology.*

WILLIAM B. ROBERTS. Minneapolis, Minn.
S. B., University of Minnesota, 1898; M. D., Hahnemann Medical College, 1901. *Surgical Pathology.*

GEORGE A. ROBERTSON. Louisville, Ky.
M. D., University of Louisville, 1896. *Medicine.*

WALTER W. RHUDY. Speedwell, Va.
M. D., Richmond Medical College, 1895. *Medicine, Gynecology, and Dermatology.*

MYRA ALLEN RUPPEL. Lynn, Mass.
M. D., Woman's Medical College (Phila.), 1896. *Gynecology, Gynecol. Pathology, and Cystoscopy.*

THEODORE H. SEDGWICK. McKeesport, Pa.
M. D., Jefferson Medical College, 1877. *Surgery and Physical Diagnosis.*

JOHN K. B. E. SEEGAR. Baltimore.
M. D., Baltimore Medical College, 1900. *Surgical and Gynecol. Pathology.*

ALAN W. SMITH. Baltimore.
M. D., College of Physicians and Surgeons (Balt.), 1895. *Operative Surgery, Rhinology and Laryngology.*

R. PERCY SMITH. Baltimore.
M. D., College of Physicians and Surgeons (Balt.), 1891. *Medicine and Phys. Diagnosis.*

WILLIAM H. SMITH. Baltimore.
M. D., University of Maryland, 1900. *Pathology.*

ERNST A. SOMMER. Oregon City, Ore.
M. D., Willamette University (Ore.), 1890. *Medicine, Surg. Pathology, Gynecol. and Phys. Diagnosis, and Cystoscopy.*

MELCHIJAH SPRAGINS. Baltimore.
M. D., University of Maryland, 1899. *Physical Diagnosis.*

MARIE J. STEES. Freeport, Ill.
M. D., Illinois Medical College, 1898. *Medicine, Gynecol. Diagnosis, and Cystoscopy.*

ELSIE R. TREICHLER. Philadelphia, Pa.
M. D., Woman's Medical College (Phila.), 1901. *Medicine.*

OSCAR P. TUCKER. Carnesville, Ga.
M. D., Atlanta College of Physicians and Surgeons, 1902. *Medicine and Obstetrics.*

HEDLEY V. TWEEDIE. Baltimore.
M. D., Baltimore Medical College, 1897. *Operative Surgery, Surg. Pathology, Laryngology and Rhinology.*

JOHN H. WALDEN. Griffithsville, W. Va.
M. D., Eclectic Medical College (Cincinnati), 1892. *Operative Surgery, Gynecol. Diagnosis, and Obstetrics.*

ELGIE L. WASSON. Butler, Pa.
M. D., Baltimore Medical College, 1898. *Gynecol. Pathology and Diagnosis and Operative Surgery.*

ABNER WEBB. Mena, Ark.
M. D., Jefferson Medical College, 1896. *Obstetrics, Gynecol. Diagnosis, and Gynecol. Pathology.*

PROSPER D. WHITE. Kingsville, Ont.
M. D. C. M., Trinity University (Ont.), 1894. *Clin. Microscopy, Gynecol. and Surg. Pathology.*

W. H. WITT. Nashville, Tenn.
A. M., Vanderbilt University, 1888, and M. D., 1894. *Medicine, Obstetrics, and Phys. Diagnosis.*

JOHN S. WILSON. Poughkeepsie, N. Y.
M. D., College of Physicians and Surgeons (N. Y.), 1887. *Phys. Diagnosis, Medicine, and Dermatology.*

T. ROBERT W. WILSON. Baltimore.
M. D., Baltimore Medical College, 1897. *Surgical Pathology.*

EDWARD C. WINSMORE. Philadelphia, Pa.
M. D., Hahnemann Medical College, 1903. *Medicine.*

UNDERGRADUATE STUDENTS

MATRICULATES

SIDNEY HERMAN ADLER. Baltimore. 809 *Newington Av.*
The Deichmann School. *Group III.*

CHARLES ROBERT AUSTRIAN. Baltimore. 1714 *McCulloh St.*
Marston's University School. *Group III.*

WALTER ALBERT BAETJER. Baltimore. 2324 *Callow Av.*
Marston's University School. *Group III.*

BYRON TREAT BANGHART. Baltimore County. *Howard Park.*
The Deichmann School. *Group VI.*

CARLYLE BARTON. Baltimore County. *Pikesville.*
Boys' Latin School, *Group VI.*

JAMES ALVIN BASS. Catonsville. *Catonsville.*
The Deichmann School. *Group III.*

JESSE LEE BENNETT. Baltimore. *P. O. Station E.*
The Hilbert School. *Group VI.*

BENJAMIN ABRAM BERNSTEIN. Baltimore. 134 *N. Exeter St.*
Baltimore City College, 1902. *Group II.*

DAVID SIMON BLONDHEIM. Baltimore. 1124 *Argyle Av.*
Baltimore City College, 1903. *Group VI.*

WILLIAM GRAHAM BOYCE. Baltimore. 217 *E. Preston St.*
The Wolfe School. *Group III.*

JOSEPH ROBSON BROMWELL BRANCH. Ellicott City. *Ellicott City.*
Boys' Latin School. *Group III.*

WALTER STEWART BRAUNS. Baltimore. 1341 *Mt. Royal Av.*
Boys' Latin School. *Group II.*

RIGGIN BUCKLER. Baltimore. 806 *Cathedral St.*
The Deichmann School. *Group II.*

HENRY THEODORE COLLENBERG. Baltimore. 1810 *E. Baltimore St.*
The Deichmann School. *Group II.*

JOHN FRANCIS CREMEN. Baltimore. 1625 *Druid Hill Av.*
Baltimore City College, 1902. *Group VI.*

WILLIAM EDMONSTON CROZIER. Baltimore. 8 *E. Mt. Royal Av.*
Marston's University School. *Group VI.*

WILLIAM EDWIN CURLEY, JR. Baltimore. 573 *Falls Road.*
The Deichmann School. *Group II.*

HORACE HATCH CUSTIS. Washington, D. C. 901 *N. Calvert St.*
Friends' School (D. C.). *Group II*

PHILIP DETTELBACH. Baltimore. 2305 *Madison Av.*
Marston's University School. *Group III.*

BARUCH MORDECAI EDLAVITCH. Baltimore. 1136 *E. Pratt St.*
Baltimore City College. *Group III.*

STANLEY STRAUSS EISEMAN. Baltimore. 1615 *Eutaw Pl.*
Marston's University School. *Group III.*

WALTER DAVID EISEMAN. Baltimore. 1804 *Eutaw Pl.*
Marston's University School. *Group VI.*

JOHN WILLIAM EMIG. York, Pa. 1402 *McCulloh St.*
York Collegiate Institute. *Group VI.*

SIDNEY CHARLES ERLANGER. Baltimore. *The Cecil, N. Eutaw St.*
Marston's University School. *Group VI.*

GEORGE ANDREW FOSTER. Johnstown, Pa. 1714 *N. Charles St.*
Mount St. Mary's College. *Group VI.*

HOWARD FREAS. Baltimore. 2114 *E. Baltimore St.*
Baltimore City College, 1903. *Group I.*

RALPH OTTOMAR FUERBRINGER. Saginaw, Mich. 1021 *Cathedral St.*
Saginaw High School. *Group III.*

ALFRED LOGSDON GEIGER. Baltimore. 607 *Wyanoke Av.*
The Deichmann School. *Group VI.*

LEMAN EDWIN GOLDMAN. Baltimore. 2246 *Madison Av.*
Baltimore City College, 1902. *Group VI.*

RUFUS KING GOODENOW. Baltimore. 1220 *Mt. Royal Av.*
Boys' Latin School. *Group VI.*

JAMES FULLERTON GRESSITT. Baltimore. 1120 *Mosher St.*
Baltimore City College, 1903. *Group II.*

ROBERTSON GRISWOLD. Baltimore. 1433 *Park Av.*
Boys' Latin School. *Group VI.*

HUGH ASBURY HACKETT. Baltimore. 121 *N. Fremont Av.*
Baltimore City College, 1901. *Group III.*

FREDERICK HOME HACK, JR. Baltimore. 1211 *St. Paul St.*
Marston's University School. *Group VI.*

ORMOND WILSON HAMMOND, JR. Baltimore. 1418 *Harlem Av.*
Baltimore City College, 1903. *Group VI.*

CONRAD HARDECKER. Baltimore. 2516 *E. Fairmount Av.*
Baltimore City College, 1899. *Group VI.*

JOSIAS CLERK LEE HAWKINS. La Plata. 1502 *Malster Av.*
Baltimore City College, 1901. *Group III.*

JOSEPH STEUART HILL. Baltimore. 1200 *Madison Av.*
Baltimore City College, 1903. *Group III.*

WILLIAM HARKINSON HUDGINS. Baltimore. 1825 *Bolton St.*
Boys' Latin School, *Group VI.*

ANDREW WILMER HULL. Baltimore. 24 *E. Madison St.*
Marston's University School. *Group II.*

HARRY H. HUMRICHOUSE. Baltimore. 2324 *N. Charles St.*
The Wolfe School. *Group VI.*

WILLIAM MUSE HUNLEY. Baltimore. 403 *N. Gilmor St.*
Mr. C. Maupin, Instructor. *Group VI.*

JOHN LONG JACKSON. Baltimore. 1732 *N. Calvert St.*
Episcopal High School (Va.). *Group I.*

RICHARD NEWTON JACKSON. Salisbury. 816 *Cathedral St.*
University School (D. C.). *Group VI.*

LIONEL MARK JACOBS, JR. Tucson, Ariz. 757 *W. Fayette St.*
The Deichmann School. *Group III.*

ANDREW DICKSON JONES, JR. Baltimore. 920 *N. Charles St.*
The Deichmann School. *Group VI.*

IRVING HENRY KOHN. Baltimore. 2029 *Eutaw Pl.*
Marston's University School. *Group III.*

WALTER WILLIAM KOHN. Baltimore. 2029 *Eutaw Pl.*
Marston's University School. *Group VI.*

JOHN AUBEL KRATZ. Baltimore. 1700 *N. Calhoun St.*
Baltimore City College, 1903. *Group VII.*

WILBUR LESLIE LECRON. Baltimore. 1410 *Mt. Royal Av.*
The Hilbert School. *Group III.*

ROY STILES LICKING. York, Pa. 1039 *N. Eutaw St.*
West Chester (Pa.) Normal School. *Group VII.*

HENRY LOANE LLOYD. Baltimore. *The Arundel*
The Deichmann School. *Group VI.*

HENRY CHARLES ERNEST LOUIS. Baltimore. 2322 *Callow Av.*
Marston's University School. *Group II.*

THOMAS GRESHAM MACHEN. Baltimore. 217 *W. Monument St.*
Marston's University School. *Group II.*

JOHN MABRY MATHEWS. Baltimore. 1010 *N. Fulton Av.*
Baltimore City College. *Group VII.*

WILLIAM HOWARD MATTHAI. Baltimore. 1403 *Eutaw Pl.*
Marston's University School. *Group III.*

THOMAS POOLE MAYNARD. Mt. Airy. 1032 *N. Eutaw St.*
The Deichmann School. *Group III.*

JOHN MCGLONE. Baltimore. 613 *N. Calhoun St.*
The Deichmann School. *Group II.*

CARL KILLMANN MENGEL. Baltimore. 721 *N. Broadway.*
The Deichmann School. *Group VI.*

CARROLL RUSSELL METTEE. Baltimore. 2213 *Madison Av.*
Marston's University School. *Group II.*

CHARLES FERDINAND MEYER. Baltimore. 2301 *Eutaw Pl.*
Friends' School. *Group II.*

AUSTIN RALPH MIDDLETON. Baltimore. 334 *Elm Av., Hampden.*
Baltimore City College, 1901. *Group III.*

JONATHAN EARLE MIFFLIN. Baltimore. 1016 *Madison Av.*
Boys' Latin School. *Group IV.*

FRANCIS MORRIS MILLER. Baltimore. 908 *N. Calvert St.*
Boys' Latin School. *Group II.*

HENRY CLAY MILLER. Baltimore. 605 *Park Av.*
Milton Academy. *Group VI.*

EDWARD LEYBURN MORELAND. Baltimore County. *McDonogh.*
Boys' Latin School. *Group II.*

EDMOND HARRIS MORSE. Baltimore. *The Cecil, N. Eutaw St.*
Baltimore City College. *Group II.*

HARMON VAIL MORSE. Baltimore. *The Cecil, N. Eutaw St.*
Baltimore City College, 1902. *Group III.*

HARRY EDWARD MUHLY. Baltimore. 1115 *S. Charles St.*
Baltimore City College, 1901. *Group VI.*

SIDNEY WALLACE MURKLAND. Baltimore. 37 *W. Preston St.*
Boys' Latin School. *Group II.*

CLARENCE ALFRED NEAL. Baltimore. 419 *E. Lafayette Av.*
Private Instruction. *Group VII.*

JOHN NEWMAN NUMSEN. Baltimore. *P. O. Station E, Kate Av.*
Baltimore City College, 1901. *Group II.*

REGINALD STEVENSON OPIE. Baltimore. 14 *W. Franklin St.*
Marston's University School. *Group III.*

THOMAS OWINGS. Baltimore. 26 *E. Lanvale St.*
Warfield School. *Group VII.*

WILLIAM WATTERS PAGON. Baltimore. 937 *St. Paul St.*
Marston's University School. *Group II.*

NATHAN PUMPHREY PITCHER. Baltimore. 552 *W. Barre St.*
Baltimore City College, 1902. *Group VI.*

FRANK GIBSON PORTER. Baltimore. 1213 *Harford Av.*
The Deichmann School. *Group III.*

LEWIS BAYARD ROBINSON, JR. Baltimore. 306 *E. 22nd St.*
Baltimore City College, 1903. *Group V.*

RICHARD WEIR GARDINER ROOT. Hinsdale, Ill. 1714 *N. Charles St.*
Cornell University. *Group II.*

MERRILL ROSENFELD. Baltimore. 2221 *Eutaw Pl.*
The Deichmann School. *Group VI.*

GERALD BENJAMIN ROSENHEIM. Baltimore. 2032 *Eutaw Pl.*
Marston's University School. *Group VI.*

THOMAS DECOURSEY RUTH. Baltimore. 1726 *St. Paul St.*
Boys' Latin School. *Group I.*

CHARLES HENRY SAYLOR. Baltimore. 2418 *N. Charles St.*
Baltimore City College, 1898. *Group I.*

SAMUEL HYMAN SCHAPIRO. Baltimore. 917 *E. Pratt St.*
Baltimore City College, 1901. *Group II.*

MAURICE ROLAND SCHMIDT. Baltimore. 2906 *Parkwood Av.*
Baltimore City College, 1903. *Group III.*

JOHN BUSHROD SCHWATKA. Baltimore. 1003 *N. Broadway.*
Dr. Deichmann's School. *Group III.*

E. LELAND SHACKELFORD. Ottoman, Va. 112 *W. North Av.*
The Deichmann School. *Group VI.*

JOSEPH THEOPHILUS SINGEWALD, JR. Baltimore. 318 *S. Broadway.*
Baltimore City College, 1903. *Group II.*

EDWARD HINMAN SIRICH. Baltimore. 3011 *Clifton Av.*
Baltimore City College, 1903. *Group III.*

WILLIAM CONWELL SMITH. Baltimore. 1007 *Madison Av.*
Jacob Tome Institute. *Group III.*

HENRY WILLIAM SNYDER. Baltimore. 1515 *N. Caroline St.*
Baltimore City College, 1903. *Group I.*

HENRY GEORGE SPENCER. Baltimore. 1235 *W. Lafayette Av.*
Haverford College. *Group II.*

CARL SAMUEL STERN. Savannah, Ga. 1721 *McCulloh St.*
Savannah Preparatory School. *Group VI.*

FRANK STOLLENWERCK, JR. Dunham, Ala. 21 *E. Lanvale St.*
Boys' Latin School, *Group VI.*

WILLIAM RINGGOLD STRAUGHN. Towson. *Towson.*
Baltimore City College, 1902. *Group VI.*

JOHN MORRIS SUPER. Baltimore. 1319 *W. Lanvale St.*
Milton Academy. *Group VII.*

LYTTLETON MORGAN TOUGH, JR. Baltimore. 2311 *N. Charles St.*
The Wolfe School. *Group III.*

ISAAC CHANDLER WALKER. Portland, Me. 1025 *W. Lanvale St.*
Portland High School. *Group III.*

LEONARD GRIFFITH WALLIS. Baltimore. 302 *E. Twentieth St.*
Baltimore City College. *Group II.*

LUTHER MARTIN REYNOLDS WILLIS. Baltimore. 2126 *Maryland Av.*
Friends' School. *Group VI.*

GUSTAV HERMAN WOLTERECK. Baltimore. 628 *E. Eager St.*
Baltimore City College, 1902. *Group III.*

LAWRENCE COUNSELMAN WROTH. Baltimore. 215 *E. Preston St.*
The Wolfe School. *Group VI.*

ROBERT BAMFORD ZEIGLER. Hagerstown. 1611 *McCulloh St.*
Washington County High School. *Group I.*

EMANUEL GEORGE ZIES. Baltimore. *Athol Terrace.*
Baltimore City College, 1903. *Group III.*

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CANDIDATES FOR MATRICULATION

PAUL SIEG BELL. Baltimore. 743 *W. Lanvale St.*
The Deichmann School. *Group VI.*

ALLEN STRAFFORD BOWIE. Baltimore. 811 *Hamilton Terr.*
Lawrenceville School. *Group VI.*

THOMAS GORSUCH CAMPBELL. Baltimore County. *Owings Mills.*
Boys' Latin School, *Group VI.*

JOHN GEORGE CARL. Baltimore. 1317 *W. Baltimore St.*
The Deichmann School. *Group I.*

THOMAS RODNEY CHAMBERS. Baltimore. 18 *W. Franklin St.*
The Deichmann School. *Group III.*

AMZI BEACH CRANE. Baltimore. 2020 *Mt. Royal Terr.*
Dickinson Preparatory School. *Group VI.*

JOHN ALDEN CRANE. Baltimore County. *Pikesville.*
Marston's University School. *Group VII.*

JAMES CURLANDER. Baltimore. 2007 *Eutaw Pl.*
Private Instruction. *Group VI.*

WILLIAM ALEXANDER DICKEY, JR. Baltimore. 603 *Cathedral St.*
Private Instruction. *Group VI.*

LEWIS ALAN DILL. Baltimore. 3102 *Clifton Av.*
The Wolfe School. *Group III.*

ERNEST POHL DOETSCH. Baltimore. 733 *W. Lombard St.*
The Deichmann School. *Group III.*

HENRY SIMPSON EVANS. Baltimore. 101 *N. Carey St.*
Lehigh University. *Group II.*

HENRY FINDLAY FRENCH. Baltimore. 1016 *Cathedral St.*
Baltimore Country School. *Group VII.*

VICTOR MAX FREY. York, Pa. 2210 *N. Calvert St.*
York High School. *Group II.*

STEWART WESLEY GISRIEL. Baltimore. 1135 *Valley St.*
Lafayette College. *Group VII.*

ALVIN GREIF. Baltimore. 1710 *Eutaw Pl.*
Marston's University School. *Group III.*

GEORGE MITCHELL GRIFFITH. Baltimore. 603 *Reservoir St.*
Boys' Latin School, *Group VI.*

EDWARD LYELL GUNTS. Baltimore. 1127 *Harlem Av.*
The Deichmann School. *Group III.*

WILLIAM HENRY JURNEY, JR. Baltimore. 2134 *Bolton Av.*
Baltimore City College. *Group III.*

JOHN JAMES KINNANE. Springfield, O. 1114 *McCulloh St.*
Georgetown College (D. C.). *Group VI.*

BENJAMIN ARCHIBALD MATTINGLY. La Plata. 925 *McCulloh St.*
Maryland Normal and Preparatory School. *Group III.*

THOMAS WILBUR MEADS. Towson. *Towson.*
Milton Academy. *Group VI.*

ADDIS EMMETT MOSELEY. Baltimore. 614 *N. Howard St.*
The Wolfe School. *Preliminary Year.*

FIRMADGE KING NICHOLS. Baltimore. 535 *N. Carrollton Av.*
Boys' Latin School. *Group III.*

CHARLES JOSEPH ODEND'HAL. Baltimore. *Oakdale Av. & Pimlico Rd.*
The Deichmann School. *Group III.*

SIFFORD PEARRE. Baltimore. 1601 *Bolton St.*
Boys' Latin School. *Group VI.*

LIONEL FOSQUE REVELL. Baltimore. 1147 *N. Carey St.*
Boys' Latin School. *Group VI.*

WILLIAM HERDMAN SCHWATKA. Baltimore. 1003 *N. Broadway.*
The Deichmann School. *Group VI.*

WILLIAM LEONARD SIOUSSAT. Baltimore County. *Lake Roland.*
Marston's University School. *Group II.*

WILLIAM KNEPPER SKILLING. Lonaconing. 1721 *McCulloh St.*
Shady Side Academy (Pittsburg). *Group III.*

B. HOLLY SMITH, JR. Baltimore. 1007 *Madison Av.*
Jacob Tome Institute. *Group III.*

THOMAS SHENTON STROBHAR. Baltimore. 1411 *Bolton St.*
Williston Seminary (Mass.). *Group III.*

KEEFER SAMUEL TOMS. Frederick. 1027 *McCulloh St.*
Cornell University. *Group III.*

NEWTON EDWARD WASHINGTON WAYSON. Baltimore Co. *McDonogh.*
Boys' Latin School. *Group III.*

CHARLES EDWARD WEAKLEY, JR. Baltimore County. *Hyde.*
The Hilbert School. *Group II.*

HORACE WINFIELD WEBSTER. Baltimore. 15 *N. Chester St.*
The Deichmann School. *Group III.*

EDWARD HENRY ZIMMERMAN. Johnstown, Pa. 1735 *Guilford Av.*
Johnstown High School. *Group III.*

PAUL HUDSON ZINKHAN. Baltimore. *Bay View Asylum*
The Deichmann School. *Group III.*

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SPECIAL STUDENTS

THOMAS ABBOTT BALDWIN. Baltimore Co. *Mt. Washington.*
Boys' Latin School. *Group II.*

NAZARETH S. BARSUMIAN. Aintab, Turkey.
A. B., Central Turkey College, 1901. *Group III.*

JAMES RYLAND CLARKE. Baltimore. 112 *W. North Av.*
The Deichmann School. *Group VI.*

MILTON STRAUSS ERLANGER. Baltimore. *The Cecil, N. Eutaw St.*
Marston's University School. *Group II.*

THOMAS RASIN GODEY. Baltimore. 1704 *N. Calvert St.*
The Hilbert School. *Group VI.*

WALDO HACK. Baltimore. 1211 *St. Paul St.*
Marston's University School. *Group VI.*

EDWIN JAMES HEATH. Baltimore. 1514 *E. Chase St.*
Baltimore City College, 1903. *Group VI.*

HENRY WILLARD HISS. Baltimore. *The Albion.*
Yale University. *Group III.*

EDWARD LOUIS HOLLJES. Baltimore. 332 *S. Patterson Park Av.*
Lehigh University. *Group II.*

WILLIAM RALPH JONES. Baltimore. 520 *N. Arlington Av.*
The Deichmann School. *Group III.*

EDWARD HORACE SHATTUCK. Baltimore County. *Sudbrook Park.*
Geology.

CLARENCE LORD STONE. Towson. *Towson.*
Baltimore City College. *Group VI.*

FRANK THORP, JR. Baltimore. 612 *N. Howard St.*
West Texas Military Academy. *Group II.*

HOWELL HARRIS THOMAS. Baltimore. *2207 Eutaw Pl.*
Lehigh University. *Group VI.*

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ATTENDANTS ON SINGLE COURSES

Chemistry

PHILIP IGNATIUS HEUISLER. Baltimore. 1807 *W. Baltimore St.*
Loyola College.

English

ALBERT WILLIAM RAYNER. Baltimore. 1814 *Eutaw Pl.*

Physics

WILLIAM JAMES HOLLOWAY. Salisbury. 1018 *W. Lanvale St.*
Salisbury High School; Harvard University Summer School.

Political Science

WILLIAM FRANCIS BEVAN. Baltimore. 1104 *N. Charles St.*
Marston's University School.

(4)

GOVERNMENT OF THE JOHNS HOPKINS UNIVERSITY.

FOR THE YEAR BEGINNING SEPTEMBER 1, 1903.

TRUSTEES

The Trustees are the ultimate source of authority in all matters pertaining to the university. They act collectively, through the standing committees named on page 2, and through the President of the University.

PRESIDENT

Ira Remsen

The duties of this office were thus defined by the Trustees, September 14, 1876:

The President of the University is the authorized means of communication between the Board and the various officers of instruction and administration employed in the university; it shall be his duty to consult with the professors, in respect to the development of their various departments, and the general interests of the university; to determine the appropriate duties of the Associates and Fellows; and to exercise such superintendence over the buildings, apparatus, books, and other property as will insure their protection and appropriate use. In repect to these matters and all others which concern the welfare of the university, he shall consult frequently with the Executive Committee, and he shall attend the meetings of the Board of Trustees. Purchases, alterations, repairs, and other incidental expenses must not be ordered by any of the officers of the university without his previous assent, or the expressed authority of the Board.

By resolution of the Trustees, May 2, 1892, the President of the University was constituted a member *ex officio* of the Board, and also *ex officio* a member of the Executive Committee.

ACADEMIC COUNCIL

Ira Remsen (*Pres.*)	W. H. Welch	Henry Wood
B. L. Gildersleeve	E. H. Griffin (*Sec'y*)	W. B. Clark
Paul Haupt	A. M. Elliott	J. S. Ames

By authority of the Trustees, the Academic Council (now consisting of the President and eight Professors) has met since the organization of the university to guide the various departments of study, to select the Fellows, and to act upon such other matters as may be brought before them.

BOARD OF UNIVERSITY STUDIES

Ira Remsen (*Pres.*)	W. Hand Browne	B. J. Vos
B. L. Gildersleeve	W. B. Clark	J. H. Hollander
Paul Haupt	J. S. Ames	Christopher Johnston
W. H. Welch	Frank Morley	C. C. Marden
E. H. Griffin	H. F. Reid	E. B. Mathews
W. K. Brooks	R. W. Wood	W. W. Willoughby
Maurice Bloomfield	K. F. Smith	H. C. Jones
A. M. Elliott	J. M. Baldwin	E. C. Armstrong
H. N. Morse	E. H. Spieker	Philip Ogden
Henry Wood	E. A. Andrews	D. S. Johnson
W. H. Howell	J. M. Vincent	G. B. Shattuck
J. W. Bright	C. W. E. Miller	H. L. Wilson

By request of the Academic Council (October 8, 1883) this Board, consisting of the President, nineteen Professors, and sixteen Associate Professors, has charge of the arrangements for the instruction of graduate students, and of the examinations for the degree of Doctor of Philosophy.

ADVISORY BOARD OF THE MEDICAL FACULTY

Ira Remsen (*Pres.*)	H. A. Kelly	W. H. Howell (*Dean*)
W. H. Welch	W. K. Brooks	F. P. Mall
William Osler	W. S. Halsted	J. W. Williams
H. M. Hurd	J. J. Abel	

This Board was constituted by resolution of the Trustees (April 3, 1893) "to report to the Trustees from time to time their suggestions, and to prepare and carry forward the proper arrangements for the instruction and graduation of medical students."

BOARD OF MEDICAL STUDIES

Ira Remsen (*Pres.*)	J. W. Lord	F. R. Smith
W. H. Welch	T. C. Gilchrist	H. B. Jacobs
William Osler	H. J. Berkley	Stewart Paton
H. M. Hurd	W. S. Thayer	P. M. Dawson
H. A. Kelly	J. M. T. Finney	Thomas McCrae
W. K. Brooks	R. G. Harrison	E. L. Opie
W. S. Halsted	W. W. Russell	H. H. Young
J. J. Abel	T. S. Cullen	G. L. Hunner
W. H. Howell	R. L. Randolph	Samuel Amberg
F. P. Mall	T. B. Futcher	C. P. Emerson
J. W. Williams	C. R. Bardeen	Joseph Erlanger
W. D. Booker	Walter Jones	W. H. Lewis
J. N. Mackenzie	W. G. MacCallum	F. R. Sabin
Samuel Theobald	J. C. Bloodgood	H. O. Reik
H. M. Thomas	Harvey Cushing	

This Board was created by resolution of the Trustees, January 6, 1902. It consists of the professors, clinical professors, associate professors, and associates in the medical department, and its functions are especially the consideration of the courses of instruction.

BOARD OF COLLEGIATE ADVISERS

Ira Remsen (*Pres.*)	J. S. Ames	E. B. Mathews
E. H. Griffin (*Dean*)	K. F. Smith	W. J. A. Bliss
A. M. Elliott	E. H. Spieker (*Sec'y*)	J. H. Hollander
H. N. Morse	E. A. Andrews	H. L. Wilson
Henry Wood	J. M. Vincent	J. C. Ballagh
Edward Renouf	L. S. Hulburt	J. E. Gilpin
W. Hand Browne	B. J. Vos	M. P. Brush
H. E. Greene	C. C. Marden	C. R. MacInnes

By request of the Academic Council (May 13, 1882) the Board of Collegiate Advisers, consisting of the President and of representatives from each of the chief departments of undergraduate study, confers upon the progress made by the undergraduates and special students, and conducts the examinations for matriculation and for the baccalaureate degree, under the direction of the Academic Council. The other teachers of undergraduates may be called in from time to time to consult.

By resolution of this Board (June 15, 1888) a Standing Committee was appointed to act on all routine matters. The Committee now consists of E. H. Griffin, E. Renouf, E. H. Spieker, and C. R. MacInnes.

COMMITTEE ON THE LIBRARY

Ira Remsen (*Pres.*)	W. Hand Browne	N. Murray (*Sec'y*)
B. L. Gildersleeve		

COMMITTEE ON THE GYMNASIUM

Ira Remsen (*Pres.*)	H. F. Reid	C. R. MacInnes
E. Renouf		

ADVISORY BOARD OF THE YOUNG MEN'S CHRISTIAN ASSOCIATION

Ira Remsen (*Pres.*)	E. H. Griffin (*Sec'y*)	H. L. Wilson
Eugene Levering		

OTHER OFFICERS

TREASURER OF THE UNIVERSITY
Charles J. Meyer

REGISTRAR
Thomas R. Ball

SUMMARY

FACULTY, 1903-04

President and Professors	30
Clinical Professors	7
Associate Professors	30
Associates	26
Instructors and Assistants	45
Lecturers	20
	158

The enumeration includes 76 professors and other instructors whose work lies wholly in the medical department.

STUDENTS ENROLLED, 1903-04

Graduate Students:		
Fellows by Courtesy	20	
Fellows	22	
Other Graduate Students in Philosophy	160	
Candidates for the degree of M. D.	276	
Physicians attending Special Courses*	82	
		560
Undergraduates:		
Candidates for the degree of A. B.	142	
Not candidates for a degree	18	
		160
		720
Counted twice		5
Total		715

*Including 56 entering in 1903 after the issue of the last Register.

GEOGRAPHICAL DISTRIBUTION OF STUDENTS, 1903-1904

Maryland (Baltimore, 248)	294	West Virginia,	4
Pennsylvania,	50	Florida,	4
New York,	37	Tennessee,	4
Virginia,	37	North Dakota,	4
North Carolina,	19	Washington,	3
Wisconsin,	19	Nebraska,	3
California,	17	Vermont,	3
Connecticut,	17	Arkansas,	2
Illinois,	16	Colorado,	2
Maine,	16	Mississippi,	2
Ohio,	15	Rhode Island,	2
Massachusetts,	14	Arizona,	2
Alabama,	12	Louisiana,	2
Indiana,	11	Kansas,	1
Georgia,	10	New Mexico,	1
Iowa,	10	Montana,	1
District of Columbia,	9	Utah,	1
Kentucky,	9		
New Jersey,	9		
Minnesota,	7		
Missouri,	7	Canada,	10
Texas,	6	Russia,	1
Oregon,	5	Germany,	1
New Hampshire,	5	Switzerland,	1
South Carolina,	4	Japan,	1
Michigan,	4	Turkey,	1

INSTITUTIONS IN WHICH THE STUDENTS (1903-1904) GRADUATED

Albion College,	1	Fredericksburg College,	2
Adelbert College,	1	Gallaudet College,	1
Alabama Polytechnic Inst.,	4	Georgia, University of,	4
Alabama, University of,	1	German Wallace College,	1
Allegheny College,	1	Guilford College,	2
Amherst College,	4	Hamilton College,	4
Baldwin University,	1	Hampden-Sidney College,	3
Basle, University of,	1	Harvard University,	10
Beloit College,	3	Haverford College,	3
Bethel College,	1	Hobart College,	1
Blount College,	1	Howard College (Ala.),	1
Bowdoin College,	9	Heidelberg, University of,	2
Breslau, University of,	1	Illinois College,	1
Brooklyn Polytechnic Inst.,	1	Illinois, University of,	3
Brown University,	5	Illinois Wesleyan Univ.,	2
Bryn Mawr College,	3	Indiana, University of,	2
Bucknell University,	1	Iowa College,	2
California, University of,	4	Iowa, University of,	2
Cambridge, University of,	1	Jefferson Med. Coll.,	1
Canisius College,	1	Johns Hopkins University,	86
Carleton College,	2	Kentucky State College,	6
Case School of Science,	1	Knox College,	3
Charleston College,	1	Lafayette College,	5
Chicago, University of,	1	Lancaster Theol. Sem.,	1
Cincinnati, University of,	2	Lebanon Valley College,	2
Colby College,	3	Leland Stanford Jr. Univ.,	11
Colgate University,	1	Loyola College,	1
Colorado, University of,	1	Maine, University of,	1
Columbia University,	3	Maryland Agricultural Coll.,	1
Columbian University,	4	Maryland, University of,	3
Concordia College (Ind.),	1	Mass. Inst. of Technology,	2
Concordia Seminary (Mo.),	1	McGill University,	2
Cornell College,	2	McMaster University,	1
Cornell University,	3	Mercer University,	1
Cotner University,	1	Michigan, University of,	5
Dalhousie University,	1	Middlebury College,	1
Dartmouth College,	7	Millsaps College,	1
Davidson College,	1	Minnesota, University of,	1
Dickinson College,	4	Moscow Technical School,	1
Drake University,	2	Mt. Allison College,	1
Earlham College,	2	Mt. St. Mary's College,	1
Emory College,	2	Nashville, University of,	3
Erskine College,	2	Nebraska, University of,	3
Fargo College,	1	New York University,	1
Florida State College,	3	North Carolina Agric. Coll.,	1
Franklin & Marshall Coll.,	2	North Carolina, Univ. of,	10

North Dakota, Univ. of, . . 1
Northwestern College, . . 1
Ohio State University, . . . 3
Olivet College, ... 2
Ohio Wesleyan Univ., . . . 2
Pacific, University of the, . . 1
Parsons College (Ia.), . . . 1
Penn College, ... 1
Pennsylvania College, . . . 3
Pennsylvania, University of, . 1
Phys. & Surg. (Balt.), Coll. of, 1
Princeton University, . . . 13
Pritchett College, ... 1
Radcliffe College, ... 1
Randolph-Macon College, . . 17
Richmond College, ... 4
Roanoke College, ... 4
Rochester, University of, . . 4
Rock Hill College, ... 3
Rutgers College, ... 1
Sapporo Agric. Coll., . . . 1
Scio College, ... 1
Smith College, ... 1
South, University of the, . 1
Southern University, . . . 1
Southwestern University, . . 1
St. Ignatius College (Chicago), 1
St. John's College, ... 7
St. Lawrence University, . . 1
Stonyhurst College, . . . 1
Swarthmore College, . . . 1
St. Louis University, . . . 2
St. Mary's Seminary (Balt.), . 1
Syracuse University, . . . 2
Texas, University of, . . . 3
Trinity College (N. C.), . . 2
Tufts College, ... 1
Ursinus College, ... 2
Valparaiso College, ... 1
Vanderbilt University, . . . 4
Vermont, University of, . . 2
Virginia Polytechnic Inst., . . 1
Virginia Theol. Seminary, . 1
Virginia, University of, . . 3
Wabash College, ... 4
Wake Forest College, . . . 4
Washington College, . . . 1
Washington & Jefferson Coll., 4
Washington & Lee Univ., . . 3
Weatherford College, . . . 1
Wellesley College, ... 2
Wesleyan Univ. (Conn.), . . 3
Western Maryland College, . 3
Western Reserve University, . 2
Western University (Ont.), . 1
Westminster College (Pa.), . 4
West Virginia Univ., . . . 1
William & Mary Coll., . . . 2
William Jewell Coll., . . . 2
Williams College, ... 4
Wisconsin, University of, . . 17
Wittenberg College, . . . 2
Wofford College, ... 2
Woman's Coll. of Baltimore, . 5
Woodstock College, . . . 1
Wooster, University of, . . 1
Yale University, ... 25

FELLOWS

ADAM T. BRUCE FELLOWS IN BIOLOGY

This Fellowship was instituted by a gift of $10,000, made in 1887 by Mrs. Bruce, of New York, to commemorate the name of her son, Adam T. Bruce, Jr., Ph. D., Fellow in Biology, 1883-84, and Instructor, 1886-87. When the institution is not named, this university is to be understood.

1888. Henry Van Peters Wilson, Ph. D. (1888), Prof. of Biology, Univ. of N. Carolina.
1889. Shosaburo Watase, Ph. D. (1890), Prof of Cellular Biology, Univ. of Tokyo.
1890. Thomas Hunt Morgan, Ph. D. (1890), Prof. of Biology, Bryn Mawr College. *Reappointed* 1891, *but resigned.*
1891. } Robert Payne Bigelow, Ph. D. (1892), Instructor in Biology and Librarian,
1892. } Mass. Inst. of Technology.
1893. Maynard Mayo Metcalf, Ph. D. (1893), Prof. of Biology, Woman's College, Baltimore.
1894. Ross Granville Harrison, Ph. D. (1894), Assoc. Prof. of Anatomy. *Did not enter on the fellowship.*
1894. Seitaro Goto, S. D., Prof. of Biology, First High School, Tokyo, Japan.
1895. Henry McElderry Knower, Ph. D. (1896), Instructor in Anatomy.
1895. }
1896. } George Lefevre, Ph. D. (1896), Prof. of Zoology, Univ. of Missouri.
1897. Franklin Story Conant, Ph. D. (1897). *Did not enter on the fellowship.*
1897. Duncan Starr Johnson, Ph. D. (1897), Assoc. Prof. of Botany.
1898. Gilman Arthur Drew, Ph. D. (1898), Prof. of Biology, Univ. of Maine. *Did not enter on the fellowship.*
1899. Caswell Grave, Ph. D. (1899), Associate in Zoology. *Resigned, and subsequently reappointed* (1900).
1900. Lawrence Edmonds Griffin, Ph. D. (1900), Prof. of Biology, Missouri Valley College.
1901. James Edwin Duerden, Ph. D. (1900), Acting Prof. of Zoology, Univ. of Mich.
1902. }
1903. } Rheinart Parker Cowles, Ph. D.

WILLIAM S. RAYNER FELLOWS IN SEMITIC LANGUAGES

The Rayner Fellowship was founded in 1899 by Mrs. Bertha Rayner Frank and Mr. Albert W. Rayner, of Baltimore, to perpetuate in this university the name of their father, Mr. William S. Rayner, who had made unusual attainments in the Hebrew language and was interested in the promotion of Semitic studies. The gift amounted to $10,000.

1899. } Karl Josef Grimm, Ph. D. (1899), Prof. of German, French, and Hebrew,
1900. } Ursinus Coll.
1901. }
1902. } Theodore Clinton Foote, Ph. D. (1902), Instr. in Biblical Literature.
1903. Gabriel Oussani, A. B., S. T. B., Prof. of Italian, Latin, and Oriental Lang., Catholic Seminary, N. Y. *Did not enter on the fellowship.*
1903. William George Seiple, A. B.

FELLOWS.

Arranged under the date of first appointment. When the institution is not named, this university is to be understood. Figures in brackets indicate the tenure of the fellowship, when it was held more than one year. *Deceased.

1876

Henry Carter Adams, Ph. D., Prof. of Political Economy and Finance, Univ. of Michigan; Statistician, Interstate Commerce Commission.—[1876-79].

*Herbert Baxter Adams, Ph. D., LL. D., Associate, Assoc. Prof., Prof. of American and Institutional History, Professor Emeritus, 1878-01.—[1876-78].

William Keith Brooks, Ph. D., LL. D., Prof. of Zoology. *Did not enter on the fellowship.*

Samuel Fessenden Clarke, Ph. D., Prof. of Natural History, Williams College. —[1876-79].

*Thomas Craig, Ph. D., Prof. of Mathematics, 1892-1900; Editor, *American Journal of Mathematics*, 1894-99.—[1876-79].

Joshua Walker Gore, C. E., Prof. of Natural Philosophy, etc., Univ. of N. C. —[1876-78].

George Bruce Halsted, Ph. D., Prof. of Mathematics, Kenyon College.—[1876-78].

Edward Hart, Ph. D., Prof. of Analytical Chemistry, Lafayette Coll.—[1876-78].

Daniel Webster Hering, C. E., Prof. of Physics, New York Univ.—[1876-78].

Malvern Wells Iles, Ph. D., Consulting Metallurgist, London, England.—[1876-78].

William White Jacques, Ph. D., Lecturer, Mass., Inst. of Tech., 1885-91; Electrical Engineer, Boston.—[1876-79].

Charles Rockwell Lanman, Ph. D., LL. D., Prof. of Sanskrit, Harvard Univ.

David McGregor Means, A. B., Prof. of Political and Mental Science, Middlebury Coll., 1877-80; Atty. at Law, New York.

Harmon Northrup Morse, Ph. D., Prof. of Analytical Chemistry. *Did not enter on the fellowship.*

Walter Hines Page, Professor in Louisville (Ky.) Male High School, 1878-79; Editor, *The World's Work*, N. Y.—[1876-78].

*Peter Porter Poinier, M. E. *Did not enter on the fellowship.*

Erasmus Darwin Preston, C. E., U. S. Coast and Geodetic Survey.—[1876-78].

*Henry Joseph Rice. Sc. D., Prof. of Natural Sciences, Brooklyn High School, 1882-85.—[1876-78].

Josiah Royce, Ph. D., LL. D., Prof. of the History of Philosophy, Harvard, —[1876-78].

Alexander Duncan Savage, B. Litt., New York.—[1876-79].

Ernest Gottlieb Sihler, Ph. D., Prof. of Latin, New York Univ.—[1876-79].

Frederick Boyd Van Vorst, A. B., Atty. at Law, New York.

*John Henry Wheeler, Ph. D., Prof. of Greek, Univ. of Virginia, 1882-87.

1877

Francis Greenleaf Allinson, Ph. D., Prof. of Classical Philology, Brown Univ. —[1877-80].

Fabian Franklin, Ph. D., Assistant, Associate, Assoc. Prof., and Prof. of Mathematics, 1879-95; Editor of *The Baltimore News*.—[1877-79].

Lyman Beecher Hall, Ph. D., Prof. of Chemistry, Haverford Coll.—[1877-79].

Allan Marquand, Ph. D., L. H. D., Prof. of Archæology, etc., Princeton.—[1877-80].

Christian Sihler, Ph. D., M. D., Instructor and Acting Prof. of Histology, etc., Western Reserve Univ., 1889-94; Physician,, Cleveland, Ohio.—[1877-79].

1878

Maurice Bloomfield, Ph. D., LL. D., Prof. of Sanskrit and Comparative Philology.

Constantine Fahlberg, Ph. D., Chemist, Salbke-Westerhuesen, Germany.—[1878-80].

Edwin Herbert Hall, Ph. D., Prof. of Physics, Harvard Univ.—[1878-80].

Edward Coles Harding, A. M., Prof. of Greek, Univ. of Louisiana, 1879-80; Baltimore.

Rev. Charles Robert Hemphill, D. D., LL. D., Prof. of New Testament Exegesis, Louisville Presbyterian Theol. Sem.; Clergyman, Louisville, Ky.

Isaac Ott, A. M., M. D., Prof. of Physiology, Medico-Chirurgical Coll. of Phila.

Henry Sewall, Ph. D., M. D., Prof. of Physiology, Univ. of Denver.

Washington Irving Stringham, Ph. D., Prof. of Mathematics, Univ. of Cal.—[1878-80].

Charles Ambrose Van Velzer, S. B., Prof. of Mathematics, Univ. of Wisconsin.—[1878-81].

Abram Van Epps Young, Ph. B., Prof. of Chemistry, Northwestern Univ.—[1878-80].

1879

Brown Ayres, S. B., Prof. of Physics and Electricity, Tulane Univ.

Louis Bevier, Ph. D., Prof. of Greek, Rutgers Coll.—[1879-81].

William Burney, Ph. D., Prof. of Chemistry, South Carolina Coll.

Edward Mussey Hartwell, Ph. D., M. D., LL. D.; Secretary, Dept. of Municipal Statistics, Boston.—[1879-81].

*John Robin McDaniel Irby, Ph. D.

Mitsuru Kuhara, Ph. D., Prof. of Chemistry, Univ. of Kyoto, Japan.—[1879-81].

*Oscar Howard Mitchell, Ph. D., Prof. of Mathematics, Marietta Coll., 1882-89.—[1879-82].

Edward Leamington Nichols, Ph. D., Prof. of Physics, Cornell Univ.

George Frederick Nicolassen, Ph. D., Prof. of Greek and German, Southwestern Presbyterian Univ., Tenn.—[1879-81].

Waldo Selden Pratt, A. B., Mus. D., Prof. of Ecclesiastical Music and Hymnology, Hartford (Conn.) Theol. Sem.

Robert Woodworth Prentiss, M. S., Prof. of Mathematics, etc., Rutgers.—[1879-81].

William Thompson Sedgwick, Ph. D., Prof. of Biology, Mass. Inst. of Tech.; Lecturer, Simmons Coll.; Curator, Lowell Inst., Boston.

*Herman Voorhees, C. E. *Did not enter on the fellowship.*

Charles Otis Whitman, Sc. D., Ph. D., LL. D., Prof. of Zoology, Univ. of Chicago. *Did not enter on the fellowship.*

Edmund Beecher Wilson, Ph. D., LL. D., Prof. of Zoology, Columbia Univ.—[1879-81].

1880

James Wilson Bright, Ph. D., Prof. of English Philology.—[1880-82].

Benjamin Chapman Burt, A. B., Acting Prof. of Philosophy and Pedagogy, Univ. of Colorado, 1894-95.

Robert Dorsey Coale, Ph. D., Prof. of Chemistry, Med. Dept., Univ. of Md.

Lawrence Bunting Fletcher, Ph. D., Instructor in Physics, Wesleyan Univ., 1882-83.

*Spencer Hedden Freeman, A. B., Prof. of Physics and Astronomy, Adelbert Coll., 1882-86.—[1880-82].

Kakichi Mitsukuri, Ph. D., Prof. of Zoology, Univ. of Tokyo, Japan.

Bernard Francis O'Connor, Ph. D., Instructor and Adjunct Prof. of Romance Lang., Columbia Univ., 1883-91; New York.—[1880-82].

Chase Palmer, Ph. D., Prof. of Chemistry, Central Univ., Ky.—[1880-82].

Herbert Mills Perry, A. B., late Instructor, Cascadilla School, Ithaca.—[1880-82].

William Lee Rowland, S. B., Chemist, Philadelphia. *Did not enter on the fellowship.*

*Andreas Franz Wilhelm Schimper, Ph. D., Prof. of Botany, Univ. of Basle, 1898-1901.

Edward Henry Spieker, Ph. D., Assoc. Prof. of Greek and Latin.—[1880-82].

Morrison Isaac Swift, Ph. D., Instructor in Philosophy, Hobart Coll., 1882-84.—[1880-82].

*Arthur Wilson Wheeler, A B.

1881

William John Alexander, Ph. D., Prof. of English, Univ. of Toronto.—[1881-83].

Edward Sanford Burgess, Ph. D., Prof. of Natural Science, Normal Coll., N. Y.

William James Comstock, Ph. D., Instructor in Organic Chemistry, Yale Univ.

William Cathcart Day, Ph. D., Prof. of Chemistry, Swarthmore, 1887-1901.—[1881-83].

Henry Herbert Donaldson, Ph. D., Prof. of Comparative Neurology, Univ. of Chicago.—[1881-83].

William Pitt Durfee, Ph. D., Prof. of Mathematics and Dean of the Faculty, Hobart Coll.—[1881-83].

George Stetson Ely, Ph. D., Examiner, U. S. Patent Office.—[1881-83]

Benjamin Ives Gilman, A. M., Curator, Museum of Fine Arts, Boston, Mass.

John Franklin Jameson, Ph. D., LL. D., Prof. of History, Univ. of Chicago.

Charles Herschel Koyl, A. B., Instructor in Physics, Swarthmore, 1887-88; New York.—[1881-83].

Henry Leslie Osborn, Ph. D., Prof. of Biology and Geology, Hamline Univ.

Henry Newlin Stokes, Ph. D., Asst. Prof. of Chemistry, Univ. of Chicago, 1892-94; U. S. Geological Survey, Washington.—[1881-83].

Benjamin Willis Wells, Ph. D., late Prof. of Modern Lang., Univ. of the South; Editor of *The Churchman*, N. Y. *Did not enter on the fellowship.*

1882

*Charles John Bell, A. B., Prof. of Chemistry, Medical Dept., Univ. of Minnesota, 1888-1903. *Did not enter on the fellowship.*

James McKean Cattell, Ph. D., Prof. of Psychology, Columbia Univ.; Editor of *Science.*

Ellery William Davis, Ph. D., Prof. of Mathematics, Univ. of Nebraska.—[1882-84].

David Talbot Day, Ph. D., U. S. Geological Survey, Washington, D. C.—[1882-84].

Alfred Emerson, Ph. D., Assoc. Prof. of Classical Archæology, Cornell Univ., 1891-97; Ithaca, N. Y.—[1882-84].

William Scott Fleming, A. B., Prof. of Greek, Davidson Coll., 1883-85; Wetumpka, Alabama.

Arthur Lincoln Frothingham, Jr., Ph. D., Prof. of Ancient History and Archæology, Princeton.—[1882-85].

Henry Root Goodnow, A. B., New York.

Elgin Ralston Lovell Gould, Ph. D., New York.—[1882-84].

Arthur Stafford Hathaway, S. B., Prof. of Mathematics, Rose Polytech. Inst.—[1882-84].

William Henry Howell, Ph. D., M. D., LL. D., Prof. of Physiology, and Dean of the Medical Faculty.—[1882-84].

Edward Harrison Keiser, Ph. D., Prof. of Chemistry, Washington Univ.—[1882-84].

Arthur Lalaune Kimball, Ph. D., Prof. of Physics, Amherst Coll.

Harry Fielding Reid, Ph. D., Prof. of Geological Physics. *Did not enter on the fellowship.*

1883

William Muss Arnolt, Ph. D., Instr. and Asst. Prof. of Biblical Philology, Univ. of Chicago, 1893-1903; Belmont, Mass.—[1883-85].

Gustav Bissing, Ph. D., Patent Attorney, Washington.

*Adam Todd Bruce, Ph. D., Instructor in Osteology, etc., 1886-87.

Archibald Lamont Daniels, D. Sc., Prof. of Mathematics and Physics, Univ. of Vermont.

John Dewey, Ph. D., Prof. of Philosophy, Univ. of Chicago.

*James Reynolds Duggan, Ph. D., Prof. of Chemistry, Wake Forest, 1886-88.

Hans Carl Guenther von Jagemann, Ph. D., Prof. of Germanic Philology, Harvard.

*Gustav Adolph Liebig, Jr., Ph. D., Assistant in Electricity, 1887-90.—[1883-85].

Charles William Emil Miller, Ph. D., Assoc. Prof. of Greek.—[1883-85].

Charles Albert Perkins, Ph. D., Prof. of Physics, Univ. of Tennessee.

*Louis Tebbetts Stevens, M. D., late Lecturer, Washington Univ.

Lewis Webb Wilhelm, Ph. D., Vice-Principal, College Prep. School, Baltimore.

1884

Ethan Allen Andrews, Ph. D., Assoc. Prof. of Biology.—[1884-86].

Henry Crew, Ph. D., Prof. of Physics, Northwestern Univ.—[1884-86].

Homer Winthrop Hillyer, Ph. D., Asst. Prof. of Organic Chemistry, Univ. of Wisconsin.

Rev. Abel Henry Huisinga, Ph. D., Adjunct Prof., McCormick Theol. Sem., 1894-96; Clergyman, Fishkill, N. Y.—[1884-86].

Frederick Schiller Lee, Ph. D., Adjunct Prof. of Physiology, Columbia Univ.

Charles Herbert Levermore, Ph. D., President of Adelphi College, Brooklyn.

Henry Francis Nachtrieb, S. B., Prof. of Animal Biology, Univ. of Minnesota.

Henry Barber Nixon, Ph. D., Prof. of Mathematics, Pennsylvania Coll.

William Noyes, Jr., M. D., Supt., Boston Insane Hospital, Mattapan, Mass.

Albert Gallatin Palmer, Ph. D., Asst. Prof. of Chemistry, Swarthmore Coll., 1886-87; Norwood, Md.

Ernest Mondell Pease, A. B., Prof. of Latin, Stanford Univ., 1891-1902; Washington.—[1884-86].

Albert Harris Tolman, Ph. D., Asst. Prof. of English Literature, Univ. of Chicago. *Did not enter on the fellowship.*

Woodrow Wilson, Ph. D., Litt. D., LL. D., President of Princeton University.

1885

Cyrus Adler, Ph. D., Librarian of the Smithsonian Institution; Prof. of Oriental History and Archæology, Columbian Univ.—[1885-87].

*David Barcroft, Ph. D.

William Shirley Bayley, Ph. D., Prof. of Mineralogy and Geology, Colby, 1888-1904; U. S. Geological Survey.—[March, 1885-June, 1886].

Louis Bell, Ph. D., Prof. of Physics, Purdue Univ., 1888-89; Electrical Engineer, Boston.—[1885-87].

William Henry Burnham, Ph. D., Asst. Prof. of Pedagogy, Clark Univ.

Francis Albert Christie, A. B., Prof. of Church History, Theol. School, Meadville, Pa.—[1885-87].

Davis Rich Dewey, Ph. D., Prof. of Economics and Statistics, Mass. Inst. of Tech.

Albert E. Egge, Ph. D., Prof. of English, Washington Agric. Coll.

William Henry Emerson, Ph. D., Prof. of Chemistry, Georgia School of Tech.

John Charles Fields, Ph. D., Lecturer in Mathematics, Toronto Univ.

Joseph Jastrow, Ph. D., Prof. of Experimental Psychology, Univ. of Wisconsin.

George Theophilus Kemp, Ph. D., M. D., Prof. of Physiology, Univ. of Illinois.

Marion Dexter Learned, Ph. D., Prof. of German, Univ. of Pennsylvania.

Gonsales Lodge, Ph. D., Prof. of Greek and Latin, Teachers Coll., Columbia Univ.
Arthur MacDonald, A. B., Bureau of Education, Washington, D. C. *Did not enter on the fellowship.*
Charles Skeele Palmer, Ph. D., Pres., Colo. School of Mines, 1902-03; Anaconda, Mont.
George Thomas White Patrick, Ph. D., Prof. of Philosophy, Iowa State Univ. *Reappointed* 1887, *but resigned.*
Moses Stephen Slaughter, Ph. D., Prof. of Latin, Univ. of Wisconsin.
Charles Whetham, A. B., President of Whetham Coll., Vancouver, B. C., 1890-93.
Charles Baker Wright, A. B., President of English Literature and Rhetoric, Middlebury Coll. *Did not enter on the fellowship.*

1886

Edgar Pierce Allen, A. B., Prof., Law Dept., Univ. of Tientsin, China.—[1886-88].
John Pendleton Campbell, Ph. D., Prof. of Biology, Univ. of Georgia.
Henry Clarke, A. B., Classical Instructor, London, England.
Herbert Charles Elmer, Ph. D., Asst. Prof. of Latin, Cornell Univ.
Henry Brayton Gardner, Ph. D., Prof. of Political Economy, Brown Univ.
*Milton Haight, A. B., Prof. of Mathematics, etc., Sapporo Agric. Coll., Japan, 1887-92.
John Leslie Hall, Ph. D., Prof. of English and History, William and Mary Coll.
Charles Williard Hayes, Ph. D., U. S. Geological Survey, Washington; Lecturer, 1903-04.
George Benjamin Hussey, Ph. D., Prof. of Greek and Latin, Western Maryland Coll.
James Hervey Hyslop, Ph. D., Prof. of Logic and Ethics, Columbia Univ., 1895-1902.
Andrew Cowper Lawson, Ph. D., Prof. of Geology, Univ. of California.
Franklin Paine Mall, M. D., Prof. of Anatomy.—[1886-88].
Yujiro Motora, Ph. D., Prof. of Psychology, etc., Univ. of Tokyo, Japan.
Julius Nelson, Ph. D., Prof. of Biology, Rutgers Coll.
William Ridgely Orndorff, Ph. D., Prof. of Organic Chemistry, Cornell.
Daniel Richard Randall, Ph. D., Attorney at Law, Annapolis, Md.
Henry Dallas Thompson, D. Sc., Ph. D., Prof. of Mathematics, Princeton.
Edward Burr Van Vleck, Ph. D., Prof. of Mathematics, Wesleyan Univ.
*Amos Griswold Warner, Ph. D., Prof. of Economics, Stanford Univ., 1893-1900.
John Roaf Wightman, Ph. D., Prof. of Romance Lang., Oberlin Coll.

1887

Joseph Sweetman Ames, Ph. D., Prof. of Physics.
Philip Wheelock Ayres, Ph. D., Director, Summer School, Charity Organization Soc., N. Y.
William Snyder Eichelberger, Ph. D., Prof. of Mathematics, U. S. Navy, Washington.
Henry Rushton Fairclough, Ph. D., Assoc. Prof. of Greek and Latin, Stanford Univ. *Did not enter on the fellowship.*
*William Curns Lawrence Gorton, Ph. D., Assoc. Prof. and Prof. of Mathematics and Astronomy, Woman's Coll., Balt., 1888-94.
William Herbert Hobbs, Ph. D., Prof. of Mineralogy, etc., Univ. of Wisconsin.
Joseph Hoeing Kastle, Ph. D., Prof. of Chemistry, Kentucky State Coll.
Felix Lengfeld, Ph. D., late Asst. Prof., Univ. of Chicago; Chemist, San Francisco.
Archibald MacMechan, Ph. D., Prof. of English, Dalhousie Univ.
Herbert William Magoun, Ph. D., Prof. of Latin, Redfield College, S. Dak.
*Thomas McCabe, Ph. D., Assoc. in Romance Lang., Bryn Mawr, 1890-91.
John Leverett Moore, Ph. D., Prof. of Greek and Latin, Vassar Coll.
Augustus Taber Murray, Ph. D., Prof. of Greek, Stanford Univ.
Edmund Clark Sanford, Ph. D., Prof. of Experimental Psychology, Clark Univ.

Charles Lee Smith, Ph. D., Prof. of History, William Jewell Coll., Mo.
Arthur Clarence Wightman, Ph. D., Prof. of Biology and Physics, Randolph-Macon Coll.
Henry Van Peters Wilson, Ph. D., Bruce Fellow, 1888-89; Prof. of Biology, Univ. of North Carolina.

1888

Charles McLean Andrews, Ph. D., Prof. of History, Bryn Mawr.
Frank Wilson Blackmar, Ph. D., Prof. of History and Sociology, Univ. of Kansas.
Charles Augustus Borst, A. B., Assistant in Astronomy, 1889-92.
William Merriam Burton, Ph. D., Superintendent, Standard Oil Co., Whiting, Ind.
Morgan Callaway, Jr., Ph. D., Prof. of English Philology, Univ. of Texas.
Charles Hiram Chapman, Ph. D., Pres., Univ. of Oregon, 1893-99; Woodland, Wash.
Edwin Whitfield Fay, Ph. D., Prof. of Latin and Greek, Univ. of Texas.—[1888-90].
Adam Capen Gill, Ph. D., Asst. Prof. of Mineralogy, Cornell Univ.
Joseph Edward Harry, Ph. D., Prof. of Greek, Univ. of Cincinnati.
James Taft Hatfield, Ph. D., Prof. of German, Northwestern Univ.
*George Allison Hench, Ph. D., Prof. of German, Univ. of Michigan, 1895-99.
Clifton Fremont Hodge, Ph. D., Asst. Prof. of Physiology, Clark Univ.
Cary Talcott Hutchinson, Ph. D., Acting Assoc. Prof. of Electricity, 1898-99; Consulting Engineer, N. Y.
Alvin Frank Linn, Ph. D., Prof. of Chemistry and Mineralogy, Wittenberg Coll., O.. *Did not enter on the fellowship.*
Thomas Logie, Ph. D., Prof. of Romance Lang., Univ. of Cape Town, S. Africa.
Alfred Edward Thayer, M. D., Instructor in Pathology and Bacteriology, Cornell Univ.
*James Starr Trueman, A. B., Prof. of Greek and Latin, Allegheny Coll., 1889-92.
Shosaburo Watase, Ph. D., Bruce Fellow, 1889-90; Prof. of Zoology, Univ. of Tokyo.

1889

Rev. Edward Carey Applegarth, Ph. D., M. D., Clergyman, Boston, Mass.
Arthur George Blachstein, A. B., M. D., St. Petersburg, Russia.
Rudolf John Julius de Roode, Jr., Ph. D., Analytical Chemist, New York.
George Peter Dreyer, Ph. D., Prof. of Physiology, Med. Dept., Univ. of Ill.
Herman Louis Ebeling, Ph. D., Asst. Prof. of Greek, Hamilton Coll.
Charles Jaques Goodwin, Ph. D., Prof. of Greek, Lehigh Univ.
Christopher Johnston, Jr., Ph. D., Assoc. Prof. of Oriental History, etc.—[1889-91].
Hiram Benjamin Loomis, Ph. D., Western Springs, Ill.
John Hanson Thomas McPherson, Ph. D., Prof. of History, Univ. of Georgia.
Thomas Hunt Morgan, Ph. D., Bruce Fellow, 1890; Prof. of Biology, Bryn Mawr.
Daniel Alexander Murray, Ph. D., Instructor in Mathematics, Dalhousie Univ.
Charles Lane Poor, Ph. D., Prof. (*elect*) of Astronomy, Columbia Univ.
*George Mann Richardson, Ph. D., Prof. of Organic Chemistry, Stanford Univ., 1891-02.
John Cunningham Robertson, Ph. D., Prof. of Greek, St. Stephen's Coll., N. Y.
*Charles Hunter Ross, Ph. D., Prof. of Modern Lang., Alabama Polytech. Inst., 1892-1900.
Joseph Samuel Shefloe, Ph. D., Prof. of Romance Lang. and Librarian, Woman's Coll., Baltimore.
Robert Benson Steele, Ph. D., Adjunct Prof. of Latin, Vanderbilt Univ.
Bert John Vos, Ph. D., Assoc. Prof. of German.—[1889-91].
James Albert Woodburn, Ph. D., Prof. of American History, Indiana Univ.

1890

William Wilson Baden, Ph. D., Prof. of Latin, Univ. of Idaho.—[1890-92].
Robert Payne Bigelow, Ph. D., Bruce Fellow, 1891-93; Instructor in Biology and Librarian, Mass. Inst. of Tech.
Edwin Grant Conklin, Ph. D., Prof. of Zoology, Univ. of Pa.
Rev. William Levering Devries, S. T. B., Ph. D., Clergyman, Washington, D. C.
George Houghton Gilman, A. B., LL. B., Atty. at Law, New York. *Did not enter on the fellowship.*
Thomas Perrin Harrison, Ph. D., Prof. of English, Davidson Coll.
Charles Rollin Keyes, Ph. D., President, New Mexico School of Mines.
Edwin Seelye Lewis, Ph. D., Prof. of Romance Lang., Princeton.
Arthur Stanley Mackenzie, Ph. D., Prof. of Physics, Bryn Mawr.
Henry Parker Manning, Ph. D., Asst. Prof. of Mathematics, Brown Univ.
Wilfred Pirt Mustard, Ph. D., Prof. of Latin, Haverford Coll.
Barker Newhall, Ph. D., Prof. of Greek, Kenyon Coll.
Edward Bennett Rosa, Ph. D., Prof. of Physics, Wesleyan Univ.; Physicist, Bureau of Standards, Washington.
Charles Edward Saunders, Ph. D., Prof. of Chemistry, Central Univ., Ky., 1891-93; Ottawa, Canada.
Bernard Christian Steiner, LL. B., Ph. D., Librarian, Pratt Library; Dean and Prof., Balt. Law School; Associate in History.
John White, Jr., Ph. D., Prof. of Chemistry, Rose Polytechnic Inst.
Westel Woodbury Willoughby, Ph. D., Assoc. Prof. of Political Science.

1891

Edward Ambrose Bechtel, Ph. D., Instr. in Latin, Univ. of Chicago. *Did not enter on the fellowship.*
Julius Blume, Modern Lang. Master, University School, Baltimore, 1892-99; Germany.
Albert Bernhardt Faust, Ph. D., Asst. Prof. of German, Univ. of Wisconsin.
Simon Flexner, M. D., Director, Rockefeller Inst. for Medical Research, N. Y.
Ulysses Sherman Grant, Ph. D., Prof. of Geology, Northwestern Univ.
William Asbury Harris, Ph. D., Prof. of Greek, Richmond Coll., Va.
Harry Clary Jones, Ph. D., Assoc. Prof. of Physical Chemistry.
James Lawrence Kellogg, Ph. D., Asst. Prof. of Biology, Williams Coll.
Elmer Peter Kohler, Ph. D., Prof. of Chemistry, Bryn Mawr.
*Paul Erasmus Lauer, Ph. D., Asst. Supt. of Schools, Cleveland, O., 1892-93.
David Judson Lingle, Ph. D., Instructor in Physiology, Univ. of Chicago.
John Hanson Thomas Main, Ph. D., Prof. of Greek, Iowa Coll.
Frank Jewett Mather, Jr., Ph. D., late Instructor in English, Williams Coll.; Asst. Editor, *The Evening Post*, N. Y.
Michael Andrew Mikkelsen, Ph. D., Montclair, N. J.
John Dyneley Prince, Ph. D., Prof. of Semitic Lang., Columbia.
Brantz Mayer Rossel, Ph. D., Head Master, Sewanee Grammar School, Tenn.
George Owen Squier, Ph. D., Colonel, U. S. Vol.; U. S. Signal Service.
Sidney Grant Stacey, Ph. D., Instructor in Latin, Brooklyn High School.
Joseph Moody Willard, A. B., Prof. of Mathematics, Pennsylvania State Coll.

1892

Burleigh Smart Annis, A. B., Instructor in Mathematics, High School, Hartford, Conn.
Lewellys Franklin Barker, M. B., Prof. of Anatomy, Univ. of Chicago.
Melvin Brandow, A. B., Assistant Librarian, 1894-1903; Student, Meadville (Pa.) Theol. Sem.
Alexander Mitchell Carroll, Ph. D., Prof. of Greek and Latin, Columbian Univ.

Harry Max Ferren, A. B., Instructor in German, Allegheny (Pa.) High School.
David Hull Holmes, Ph. D., Classical Instructor, High School, Brooklyn.
Arthur John Hopkins, Ph. D., Asst. Prof. of Chemistry, Amherst Coll.
Theodore Hough, Ph. D., Assoc. Prof. of Biology, Simmons Coll., Boston.
James Alton James, Ph. D., Prof. of European History, Northwestern Univ.
Francis Plaisted King, Ph. D., Asst. Geologist of Georgia, 1893-96.
Emory Bair Lease, Ph. D., Instructor in Latin, College of the City of New York.
*Edward Payson Manning, Ph. D., Instructor, St. Lawrence Univ., 1894-95.
*Louis Emil Menger, Ph. D., Prof. of Romance Philology, Bryn Mawr, 1900-03.
*Lucius Salisbury Merriam, Ph. D., Instructor in Political Economy, Cornell, 1893-94.
Mayo Maynard Metcalf, Ph. D., Bruce Fellow, 1893; Prof. of Biology, Woman's Coll., Baltimore.
*Rene de Poyen-Bellisle, Ph. D., Instructor in Romance Philol., Chicago, 1894-1900.
Arthur Percy Saunders, Ph. D., Instructor in Chemistry, Hamilton College.
Rev. Daniel Gurden Stevens, Jr., Ph. D., Clergyman, Bryn Mawr, Pa.—[1892-94].
Frederick Tupper, Jr., Ph. D., Prof. of Rhetoric and English Lit., Univ. of Vermont.
Frank Alfred Wolff, Jr., Ph. D., Prof. of Physics, etc., Columbian Univ.; Physicist, Bureau of Standards, Washington.

1893

Thomas Stockham Baker, Ph. D., Prof. of Mod. Lang., Tome Inst.; Lecturer in German.
John Spencer Bassett, Ph. D., Prof. of History, Trinity Coll., N. C.
George Melville Bolling, Ph. D., Assoc. Prof. of Greek, Catholic Univ.
Abraham Cohen, Ph. D., Associate in Mathematics.
Ervin Sidney Ferry, S. B., Prof. of Physics, Purdue Univ.
William Francis Gallaway, Ph. D., Classical Instructor, Savannah, Ga.
Ross Granville Harrison, Ph. D., M. D., Bruce Fellow, 1894; Assoc. Prof. of Anatomy.
Bert Holmes Hite, M. S., Prof. of Agric. Chemistry, West Va. Univ.—[1893-95].
Samuel Verplanck Hoffman, M. E., Morristown, N. J.
Jacob H. Hollander, Ph. D., Assoc. Prof. of Polit. Economy.
Charles William Leverett Johnson, Ph. D., Instructor in Latin, Princeton, 1900-03.
George Wesley Johnston, Ph. D., Lecturer in Latin, Univ. of Toronto.
George Charles Keidel, Ph. D., Associate in Romance Languages.—[1893-95].
Edward Bennett Mathews, Ph. D., Assoc. Prof. of Mineralogy.
Edwin Fitch Northrup, Ph. D., Assoc. Prof. of Physics, Univ. of Texas, 1896-97; Philadelphia.—[1893-95].
*Alfred William Stratton, Ph. D., Registrar, Univ. of the Punjab, and Prof. of Sanskrit, Oriental Coll., Lahore, India, 1899-02.
Frederick Henry Sykes, Ph. D., Prof. of English Lit., and Director, Extension Dept., Teachers Coll., Columbia Univ.
George Francis Weida, Ph. D., Prof. of Chemistry, Ripon Coll., Wis.

1894

Arthur Fisher Bentley, Ph. D., Chicago.
Samuel Walker Beyer, Ph. D., Assoc. Prof. of Geology, Iowa Agric. Coll.
Clarence Griffin Child, Ph. D., Asst. Editor, Worcester's Dictionary; Asst. Prof. of English, Univ. of Pa.
Frank Hollinger Cluts, Ph. D., Kansas City, Mo.—[1894-96].
Fonger DeHaan, Ph. D., Assoc. Prof. of Spanish, Bryn Mawr. *Did not enter on the fellowship.*
Henry Stewart Gane, Ph. D., U. S. Geological Survey, Washington.

William August Haussman, Ph. D., Instructor in German, Central High School, Philadelphia.
Reid Hunt, Ph. D., M. D., Pharmacologist, Bureau of Public Health, Washington. [1894-96].
Thomas Franklin Kane, Ph. D., Pres. and Prof. of Latin, Univ. of Washington.
William Hamilton Kirk, Ph. D., Prof. of Latin, Rutgers Coll.
Henry McElderry Knower, Ph. D., Bruce Fellow, 1895-96; Instructor in Anatomy.
George Lefevre, Ph. D., Bruce Fellow, 1895-97; Prof. of Zoology, Univ. of Missouri.
Caspar Levias, A. B., Prof. of Exegesis and Hebrew Grammar, Hebrew Union Coll., Cincinnati. *Reappointed* 1895, *but resigned.*
William Henry Maltbie, Ph. D., Prof. of Mathematics, Woman's Coll., Baltimore.
Thomas Francis Moran, Ph. D., Prof. of History and Economics, Purdue Univ.
Louis Trenchard More, Ph. D., Prof. of Physics, Univ. of Cincinnati.
James Flack Norris, Ph. D., Asst. Prof. of Chemistry, Mass. Inst. of Tech.
Herbert Dodge Pease, M. B., Albany, N. Y.; Lecturer, Albany Med. School.

1895

Norman Ross Carmichael, A. M., Assoc. Prof. of Physics, School of Mining, Kingston, Canada.
Arthur Douglas Chambers, Ph. D., Chemist, Ashburn, Mo.
*Franklin Story Conant, Ph. D., Bruce Fellow, 1897.
Rev. Eneas Bernard Goodwin, A. B., Prof. of Greek, St. Cyril's Coll., Chicago.
William Jackson Humphreys, Ph. D., Instructor in Physics, University of Va.
Oliver Martin Johnston, Ph. D., Asst. Prof. of Romanic Lang., Stanford Univ.
Gordon Jennings Laing, Ph. D., Asst. Prof. of Latin, Univ. of Chicago.
*Louis Eugene Livingood, M. D., Assistant in Pathology, 1896-98, and Associate 1898.
Ebeneser Mackay, Ph. D., Prof. of Chemistry and Mineralogy, Dalhousie Univ.
John McLaren McBryde, Jr., Ph. D., late Prof. of English, Hollins Inst., Va.; Student in England.
Henry Ludwell Moore, Ph. D., Adjunct Prof. of Economics, Columbia.
Charles William Peppler, Ph. D., Prof. of Greek, Emory Coll., Ga.
Franklin Lafayette Riley, Ph. D., Prof. of History, Univ. of Miss.
Frederick George Gottlob Schmidt, Ph. D., Prof. of Modern Lang., Univ. of Oregon.
John Adams Scott, Ph. D., Asst. Prof. of Greek, Northwestern Univ.
George Otis Smith, Ph. D., U. S. Geological Survey, Washington.
M. Victor Staley, Ph. D., Prof. in the Univ. of Washington.
Thomas Hardy Taliaferro, Ph. D., President, Florida Agric. Coll.
Harry Langford Wilson, Ph. D., Assoc. Prof. of Latin. *Did not enter on the fellowship.*

1896

Edward Cooke Armstrong, Ph. D., Associate Prof. of French.
James Morton Callahan, Ph. D., Assoc. Prof. of European Hist., West Va. Univ.
Edward Perkins Carter, M. D., Physician, Cleveland, Ohio.
Hubert Lyman Clark, Ph. D., Prof. of Biology, Olivet Coll.
Noah Ernest Dorsey, Ph. D., Physicist, Bureau of Standards, Washington.
Pelham Edgar, Ph. D., Prof. of Modern Lang., Victoria Univ., Ont.
Edwin Luther Green, Ph. D., Adjunct Prof. of Ancient Lang., S. Carolina Coll.
Arthur Sewall Haggett, Ph. D., Prof. of Greek, Univ. of Washington.
William Edwards Henderson, Ph. D., Asst. Prof. of Anal. Chemistry, Ohio State University.
Charles Hoeing, Ph. D., Instructor in Latin and Librarian, Univ. of Rochester.—[1896-98].
Duncan Starr Johnson, Ph. D., Bruce Fellow, 1897-98; Associate Prof. of Botany.
Rev. Paul Henry Land, A. B., Clergyman, Lima, Ohio.

Omera Floyd Long, Ph. D., Asst. Prof. of Latin, Northwestern Univ.
William Tyler Mather, Ph. D., Assoc. Prof. of Physics, Univ. of Texas.
John Frederick Mohler, Ph. D., Prof. of Physics, Dickinson Coll. *Did not enter on the fellowship.*
Jens Anderson Ness, Ph. D., Associate in Sanskrit, Univ. of Chicago, 1900; Baltimore.—[1896-98].
Alexander Pell, Ph. D., Prof. of Mathematics, Univ. of South Dakota.
Cornelius William Prettyman, Ph. D., Prof. of German, Dickinson Coll.
*Charles Dabney Ragland, Ph. D., Prof. of Chemistry, Randolph-Macon Coll., 1896-1900.
Frank Roy Rutter, Ph. D., Dept. of Agriculture, Washington; Lecturer on Commerce, etc., Iowa Univ., 1903-04.
George Burbank Shattuck, Ph. D., Assoc. Prof. of Physiographic Geology.

1897

Cleveland Abbe, Jr., Ph. D., U. S. Weather Bureau, Washington.
Charles Hillman Brough, Ph. D., LL. B., Prof. of Philosophy, History, etc., Hillman Coll., Miss.
Pierce Butler, Ph. D., Prof. of History, Tulane Univ.—[1897-99].
Killis Campbell, Ph. D., Instructor in English, Univ. of Texas.
Gilman Arthur Drew, Ph. D., Bruce Fellow, 1898; Prof. of Biology, Univ. of Maine.
Charles Wilson Greene, Ph. D., Prof. of Physiology, Univ. of Missouri.
Karl Joseph Grimm, Ph. D., Rayner Fellow, 1899-01; Prof. of German, French, and Hebrew, Ursinus Coll.—[1897-99].
James Graham Hardy, Ph. D., Asst. Prof. of Mathematics, Williams Coll.
William App Jones, Ph. D., Analytical Chemist, New York.
William Kurrelmeyer, Ph. D., Instructor in German.—[1897-99].
Guy Carleton Lee, Ph. D., Instructor in History.
Charles Elwood Mendenhall, Ph. D., Asst. Prof. of Physics, Univ. of Wisconsin.
Samuel Alfred Mitchell, Ph. D., Tutor in Astronomy, Columbia.
Joseph Longworth Nichols, A. B., M. D.
William Albert Nitze, Ph. D., Prof. of Romance Lang., Amherst.
Daniel Allen Penick, Ph. D., Asst. Prof. of Greek and Latin, Univ. of Texas.
Ebenezer Emmet Reid, Ph. D., Prof. of Chemistry and Physics, Baylor Univ.
William Berney Saffold, Ph. D., Prof. of Latin, Univ. of Alabama. *Did not enter on the fellowship.*
Henry Nevill Sanders, Ph. D., Assoc. Prof. of Greek, Bryn Mawr.
Charles William Waidner, Ph. D., Physicist, Bureau of Standards, Washington.

1898

Thomas Sewell Adams, Ph. D., Asst. Prof. of Economics, Univ. of Wisconsin.
John William Basore, Ph. D., Instructor in Latin, Univ. of California.
Frank Ringgold Blake, Ph. D., Instructor in Oriental Lang.—[1898-1902].
Joseph Scudder Chamberlain, Ph. D., Chemist, Dept. of Agriculture, Washington.
Percy Millard Dawson, A. B., M. D., Associate in Physiology.
George Stronach Fraps, Ph. D., Asst. in Chemistry, Experiment Station of Texas.
Pierre Joseph Frein, Ph. D., Instructor in Romanic Lang., Univ. of Washington.
Leonidas Chalmers Glenn, Ph. D., Adjunct Prof. of Geology, Vanderbilt Univ.
Caswell Grave, Ph. D., Bruce Fellow, 1900-01; Associate in Zoology.
Hollister Adelbert Hamilton, Ph. D., Prof. of Greek, Elmira Coll.
George Oscar James, Ph. D., Instructor in Mathematics, Washington Univ., St. Louis.
Joseph Francis Merrill, Ph. D., Prof. of Physics, Univ. of Utah.
Alfred William Milden, Ph. D., Prof. of Classics, Emory and Henry Coll.

Eugene Lindsay Opie, A. B., M. D., Associate in Pathology.
Frederick Albert Saunders, Ph. D., Asst. Prof. of Physics, Syracuse Univ.
Laurence Frederick Schmeckebier, Ph. D., U. S. Geological Survey, Washington.
Henry Skinner West, Ph. D., Principal, Western High School, Balt.

1899

George Ernest Barnett, Ph. D., Instructor in Economics. *Reappointed* 1900, *but resigned.*
William Martin Blanchard, Ph. D., Asst. Prof. of Chemistry, De Pauw Univ.
Charles Edward Caspari, Ph. D., Prof. of Chemistry, St. Louis Coll. of Pharmacy. *Did not enter on the fellowship.*
Luther Pfahler Eisenhart, Ph. D., Instructor in Mathematics, Princeton.
Herbert Baldwin Foster, Ph. D., Prof. of Greek, Univ. of S. Dakota.
William Linwood Foushee, Ph. D., Prof. of Latin, Richmond Coll.
Clyde Chew Glascock, Ph. D., Instructor in German, Yale.
Lawrence Edmonds Griffin, Ph. D., Bruce Fellow, 1900; Prof. of Biology, Missouri Valley Coll.
Sivert N. Hagen, Ph. D., Instructor in English, Iowa State Univ.
Joseph Cawdell Herrick, Ph. D., Instructor in Sciences, St. Joseph's Sem., Yonkers, N. Y.
*Julian Huguenin, Ph. D., Acting Prof. of English, Univ. of Louisiana, 1900-01.
Walter Hullihen, Ph. D., Classical Master, Univ. School, Baltimore.
Charles August Kraus, S. B., Instructor in Physics, Univ. of Kansas.
Harry Taylor Marshall, A. B., M. D., Asst. in Pathology and Instr. in Medicine.
John Charles Olsen, Ph. D., Asst. Prof. of Chemistry, Brooklyn Polytechnic Inst.
Herbert Meredith Reese, Ph. D., Assistant, Yerkes Observatory.
George Burr Richardson, Ph. D., U. S. Geological Survey, Washington.
*Richard Burton Rowe, Ph. D., Asst. U. S. Geological Survey, 1900-02.
James Eustace Shaw, Ph. D., Associate in Italian.
Charles Clinton Weaver, Ph. D., Prof. of Hist., Davenport Coll., N. C.

1900

Herbert Thompson Archibald, Ph. D., Prof. of Greek, Occidental Coll., Cal.
George Dobbin Brown, Ph. D., Instr. in English, Baltimore.
Benjamin Palmer Caldwell, Ph. D., Asst. Prof. of Chemistry, Tulane Univ.
Howard Vernon Canter, A. B., Graduate Student. *Did not enter on the fellowship.*
Winterton Conway Curtis, Ph. D., Instructor in Biology, Univ. of Missouri.
Waverly Bayard Daniel, Ph. D., Prof. of Latin, Baylor Univ., Texas.
Joseph Erlanger, M. D., Instructor in Physiology. *Did not enter on the fellowship.*
Arthur Henry Ewing, Ph. D., Prof., Christian Coll., Allahabad, India.
Joseph Christie Whitney Fraser, Ph. D., Carnegie Research Asst. in Chemistry; Fellow by Courtesy.
Norman Everett Gilbert, Ph. D., Asst. Prof. of Physics, Dartmouth Coll.
Roscoe Guernsey, Ph. D., Tutor in Greek, Columbia. *Reappointed* 1901, *but resigned.*
Fred Cole Hicks, Ph. D., Instructor in German, Monmouth Coll., Ill.
George Curtis Martin, Ph. D., Instructor in Paleontology.
William Elejius Martin, Ph. D., Prof. of History, Emory and Henry Coll., Va.
Charles Alfred Mosemiller, A. B., Asst. Prof. of Romance Lang., Indiana Univ.
Roland Jessup Mulford, Ph. D., Head Master, Cheshire School, Conn.
Louis Alexander Parsons, Ph. D., Instr. in Physics, Univ. of Utah.—[1900-02].
Israel Euclid Rabinovitch, Ph. D., New York City.
Charles Sidney Smith, A. M., Asst. Prof. of Greek and Latin, Columbian Univ. *Did not enter on the fellowship.*

Percy Goldthwait Stiles, Ph. D., Instructor in Physiology, New York Univ. *Did not enter on the fellowship.*
Gordon Wilson, M. D., Physician, Baltimore.

1901

Francis Marion Austin, A. B., Prof. of Latin, Ill. Wesleyan Univ. *Did not enter on the fellowship.*
LeRoy Carr Barret, Ph. D., Instr. in Latin.—[1901-03].
George Olaf Berg, Ph. D., Acting Prof. of Greek, St. Olaf Coll., Minn. [1901-03].
Arthur Byron Coble, Ph. D., Carnegie Research Asst. in Mathematics; Fellow by Courtesy.
Rheinart Parker Cowles, Ph. D., Bruce Fellow in Biology.
Albert Eugene Curdy, Ph. D., Instructor in French, Yale.
Philip Howard Edwards, Ph. D., Latin Master, Friends' School, Balt.—[1901-03].
James Warner Harry, Ph. D., Baltimore.
Edward Pechin Hyde, A. B., Asst., Bureau of Standards, Washington; Fellow by Courtesy.
Herman Kurrelmeyer, Ph. D., Instructor in German, Mass. Inst. of Technology.
Charles Fowler Lindsay, Ph. D., Research Chemist, Gen. Electric Co., Schenectady.
Robert Edward Loving, A. B., Graduate Student. *Did not enter on the fellowship.*
Louis Wardlaw Miles, Ph. D., German Master, Country School for Boys, Balt.
Benjamin Leroy Miller, Ph. D., Assoc. in Geology, Bryn Mawr.
Gabriel Oussani, A. B., S. T. B., Rayner Fellow, 1903; Prof. of Italian, Latin, and Oriental Lang., Catholic Seminary, N. Y.—[1901-03].
Charles Oscar Paullin, S. B. *Did not enter on the fellowship.*
George Ragland, A. B., Prof. of Greek, Baylor Univ., Texas. *Did not enter on the fellowship.*
Lee Raney, A. B., Asst. Librarian.—[1901-03].
Dorothy M. Reed, M. D., Resident Physician, Babies' Hospital, New York.
Daniel Naylor Shoemaker, Ph. D., Science Instructor, Hartsville Seminary, S. C.
William Stone Weedon, Ph. D., Research Chemist, Gen. Electric Co., Schenectady.

1902

Elbert Jay Benton, Ph. D., Instr. in History, Western Reserve Univ.
Charles Keyser Edmunds, Ph. D., Prof. of Physics, Christian Coll., Lemacao, China.
Frederick Hutton Getman, Ph. D., Carnegie Research Asst. in Chemistry.
Yukimasa Hattori, Ph. D.
John Gale Hun, Ph. D., Instr. in Mathematics, Princeton.
Albert Johannsen, Ph. D., U. S. Geological Survey, Washington.
Alfred Allan Kern, A. M., Fellow by Courtesy.
Ernest Gale Martin, Ph. D., Asst. in Physiology.
Alfred James Morrison, Ph. D., Brooklyn, N. Y.
Walter Thomson Pierce, A. B., Instr. in Romance Lang., Indiana Univ.
Robert Bruce Roulston, A. B., Fellow by Courtesy.
John Philip Schneider, Ph. D., Fellow by Courtesy.
Arthur Whitmore Smith, Ph. D., Asst. in Physics, Univ. of Mich.
David Hilt Tennent, S. B., Fellow in Zoology.—[1902-04].
Roy McLean Van Wart, A. B., M. D. C. M.
Kisaburo Yamaguchi, Ph. D., Chemist, Furukawa Central Office of Mines, Tokyo.

The list of the present holders of fellowships is given on page 19.
The whole number appointed in twenty-seven years is 480.

8. Doctors of Philosophy, 1878-1903.

When the institution is not named, this university is to be understood. (F) indicates that the person has held a fellowship here. *—Died.

1878

Henry Carter Adams, (F), A. B., Iowa, 1874; Instr., 1879-81, Lecturer, 1892-94; Lecturer and Assoc. Prof., Cornell, 1879-87.—Prof., Pol. Econ., Univ. of Mich.; Statistician, Interstate Commerce Commission.

*Thomas Craig, (F), C. E., Lafayette, 1875; U. S. Coast Survey, 1879-81; Instr., Assoc., Assoc. Prof., Prof., Math., 1879-1900; Editor, *American Journal of Mathematics*, 1894-1899. *May 8, 1900.

Josiah Royce, (F), California (A. B., 1875, Asst. Prof., 1878-82); LL. D., 1902.—Prof., Hist. of Philos., Harvard.

Ernest Gottlieb Sihler, (F), Concordia (Ind.), 1869; Prof., Concordia (Milwaukee), 1891-92.—Prof., Latin, N. Y. Univ. (4)

1879

Maurice Bloomfield, (F), A. M., Furman, 1877; LL. D., Princeton, 1896.—Prof., Sanskrit and Compar. Philol.

Samuel Fessenden Clarke, (F), Ph. B., Yale, 1878; Asst., 1879-81.—Prof., Natural Hist., Williams Coll.

George Bruce Halsted, (F), Princeton (A. B., 1875, Tutor and Instr., 1878-84); Prof., Univ. of Texas, 1884-1903, St. Johns, Md., 1903.—Prof., Math., Kenyon Coll., Gambier, O.

Edward Hart, (F), S. B., Lafayette, 1874.—Prof. of Anal. Chem., Lafayette Coll.

William White Jacques, (F), Mass. Inst. Tech. (S. B., 1876, Lecturer, 1885-91).—Elec. Engineer, Boston.

Henry Sewall, (F), S. B., Wesleyan, 1876; Assoc. 1880-82; Mich. (Hon. M. D., 1888, Prof., 1882-89); M. D., Univ. of Colo., 1889.—Prof., Physiol., Univ. of Denver. (6)

1880

Francis Greenleaf Allinson, (F), Haverford (A. B., 1876, Asst., Prof., 1880-82); A. B., Harvard, 1877; Assoc. Prof., Williams, 1892-95.—Prof., Class. Philol., Brown Univ.

Fabian Franklin, (F), Ph. B., Columbian, 1869; Asst., Assoc., Assoc. Prof., Prof., Math., 1879-95.—Editor, *Baltimore News*.

Edwin Herbert Hall, (F), A. B., Bowdoin, 1875; Asst., 1880-81.—Prof., Physics, Harvard.

Allan Marquand, (F), A. B., Princeton, 1874; L. H. D., Hobart, 1888.—Prof., Archæol., etc., Princeton.

Washington Irving Stringham, (F), A. B., Harvard, 1877.—Prof., Math., Univ. of Cal. (5)

1881

Louis Bevier, (F), A. B., Rutgers, 1878.—Prof., Greek, Rutgers.

Robert Dorsey Coale, (F), Asst., 1881-83.—Prof. Chem., and Dean of Med. Faculty, Univ. of Md.

Edward Allen Fay, A. B., Mich., 1862.—Vice-Pres. and Prof., Lang., Gallaudet Coll., D. C.

Lawrence Bunting Fletcher, (F), A. B., Columbia, 1877; Instr., Physics, Wesleyan, 1882-83.

Samuel Garner, A. B., St. John's, 1871; Prof., Mod. Lang., Univ. of Ind., 1881-87, U. S. Naval Acad., 1887-99.—Annapolis.

Edward Mussey Hartwell, (F), Amherst (A. B., 1873, LL. D., 1898); M. D., Miami Med. Coll., 1882; Instr. and Assoc., 1883-91; Director, Phys. Train., Boston Schools, 1891-97.—Sec., Dept. of Munic. Statistics, Boston.

William Thompson Sedgwick, (F), Ph. B., Yale, 1877; Asst. and Assoc., 1880-83.—Prof., Biol., Mass. Inst. Tech.; Curator, Lowell Inst., Boston; Lecturer, Simmons Coll.

Christian Sihler, (F), Concordia (Ind.), 1866; M. D., Mich., 1871; Asst., 1879-80; Instr., and Acting Prof., Western Reserve, 1888-94.—Physician, Cleveland, O.

Edmund Beecher Wilson, (F), Ph. B., Yale, 1878; Asst., 1881-82, LL. D., 1902; Lecturer, Williams, 1883-84; Assoc. Prof. and Prof., Bryn Mawr, 1885-91.—Prof., Zool., Columbia. (9)

1882

James Wilson Bright, (F), A. B., Lafayette, 1877; Instr., Cornell, 1885.—Prof., English Philol.; Assoc. Ed., *Modern Language Notes.*

John Franklin Jameson, (F), Amherst (A. B., 1879, LL. D., 1898); LL. D., 1902, Asst. and Assoc., 1882-88, Lecturer, 1890-91; Prof., Brown, 1888-1901.—Prof., Hist. Univ. of Chicago.

Mitsuru Kuhara, (F), Tokyo (S. B., 1877, Lecturer, 1882-87).—Prof., Chem., Univ. of Kyoto.

Robert Wright Mahon, C. E., Lehigh, 1876; Tutor, Lafayette, 1882-83; Acting Prof., Chem., Rose Polytech., 1888-89.

*Oscar Howard Mitchell, (F), Marietta (A. B., 1875, Prof., Math., 1882-89). **March* 29. 1889.

George Frederick Nicolassen, (F), A. B., Virginia, 1879; Asst., 1881-82.—Prof., Greek and German, Southwestern Presb. Univ., Clarksville, Tenn.

William Albert Noyes, A. B., Iowa, 1879; Instr., Univ. of Minn., 1882-83; Prof., Chem., Univ. of Tenn., 1883-86, Rose Polytech. Inst., 1886-1903.—Chief Chemist, National Bureau of Standards; Fellow by Courtesy.

Chase Palmer, (F), A. B., 1879; Asst., Mass. Inst. Tech., 1882-83, Tufts Coll., 1887-88; Prof., Mass. Norm. School, Salem, 1883-87, Wabash Coll., 1888-90, Manual Train. School, Louisville, 1895-1901.—Prof., Chem., Central Univ., Danville, Ky.

Edward Henry Spieker, (F), A. B., 1879.—Assoc. Prof., Greek and Latin. (9)

1883

William John Alexander, (F), A. B., London, 1876; Prof., Dalhousie, 1883-89.—Prof. English, Toronto Univ.

William Cathcart Day, (F), A. B., 1880; Prof., Chem., St. John's, 1883-84, Univ. of Nashville, 1884-87; Swarthmore, 1887-1901.—Swarthmore, Pa.

William Pitt Durfee, (F), A. B., Mich., 1876.—Prof., Math., and Dean, Hobart Coll., Geneva, N. Y.

Kakichi Mitsukuri, (F), Ph. B., Yale, 1879.—Prof., Zool., Univ. of Tokyo.

George Stetson Ely, (F), A. B., Amherst, 1878; Prof. Math., Buchtel, 1883-84.—Examiner, U. S. Patent Office.

Bernard Francis O'Connor, (F), B. ès Lett., Univ. of France, 1874; Instr. and Adj. Prof., Romance Lang., Columbia, 1883-91.—New York. (6)

1884

Herbert William Conn, A. B., Boston Univ., 1881; Asst., 1883-84.—Prof., Biol., Wesleyan, Middletown, Conn.

Ellery William Davis, (F), S. B., Wis., 1879; Prof., Florida Agric., 1884-88, S. C. Univ., 1888-93.—Prof., Math., Univ. of Neb., Lincoln.

David Talbot Day, (F), A. B., 1881.—U. S. Geol. Survey, Washington.

John Dewey, (F), A. B., Univ. of Vt., 1879; Instr. and Prof., Univ. of Mich., 1884-94.—Prof., Philos., Chicago.

*James Reynolds Duggan, (F), A. B., Mercer, 1877; M. D., Jefferson Med. Coll., 1879; Prof., Chem., Wake Forest, 1886-88. **January* 10, 1888.

William Henry Howell, (F), A. B., 1881; Mich. (M. D., 1890, Lecturer and Prof., 1889-92); LL. D., Trinity, 1901; Assoc. Prof., Harvard, 1892-93.—Prof., Physiol.; Dean, Med. Faculty; Assoc. Ed., *Journal of Experimental Medicine.*

Hans Carl Gunther von Jagemann, (F), Naumburg Gymnas, 1876; Prof., Earlham, 1884-85, Indiana Univ., 1885-89.—Prof., Germanic Philol., Harvard.

Edward Harrison Keiser, (F), S. B., Swarthmore, 1880; Asst., 1884-85; Assoc. Prof. and Prof., Bryn Mawr, 1885-99.—Prof., Chem., Washington Univ., St. Louis.

Arthur Lalanne Kimball, (F), A. B., Princeton, 1881; Assoc. and Assoc. Prof., 1884-91.—Prof., Physics, Amherst.

Henry Leslie Osborn, (F), A. B., Wesleyan, 1878; Prof., Purdue, 1884-87.—Prof. Biol. and Geol., Hamline Univ., St. Paul, Minn.

Charles Albert Perkins, (F), A. B., Williams, 1879; Asst., 1884-87; Assoc., Bryn Mawr, 1887-91; Prof., Hampden Sidney, 1891-92.—Prof. Physics, Univ. of Tenn., Knoxville.

Albert Shaw, A. B., Iowa, 1879; Reader, 1889-90, Lecturer, 1891-92. —Editor, *The Review of Reviews*, New York.

Henry Newlin Stokes, (F), S. B., Haverford, 1879; Asst. Prof., Chem., Chicago, 1893-94.—U. S. Geol. Survey, Washington.

Lewis Webb Wilhelm, (F), A. B., 1880.— Vice-Prin., College Prep. School, Baltimore.

Arthur Yager, A. B., Georgetown (Ky.), 1878.—Prof., Hist., Georgetown. (15)

1885

Edward Webster Bemis, Amherst (A. B., 1880, Instr., 1885-86); Adj. Prof., Vanderbilt, 1886-92; Assoc. Prof., Polit. Econ., Chicago, 1892-95.—Supt., City Water Works, Cleveland.

Gustav Bissing, (F), A. B., 1882; Examiner, U. S. Patent Office, 1884-97. —Patent Atty., Washington.

Henry Herbert Donaldson, (F), A. B., Yale, 1879; Asst., 1883-84, Instr. and Assoc., 1885-89; Asst. Prof., Clark, 1889-92. —Prof., Neurology, Chicago.

Louis Duncan, U. S. Naval Acad., 1880; Assoc. and Assoc. Prof., 1886-99.—Prof., Elec. Eng., Mass. Inst. Tech.

Homer Winthrop Hillyer, (F), Wis. (S. B., 1882, Instr., 1885-98).—Asst. Prof., Organic Chem., Univ. of Wis.

Frederic Schiller Lee, (F), St. Lawrence Univ. (A. B., 1879, Instr., 1886-87); Assoc., Bryn Mawr, 1887-91.—Adj. Prof. and Demonstrator. Physiol., Columbia.

*Gustav Adolph Liebig, Jr., (F), A. B., 1882, Asst., 1887-90. **February* 10, 1897.

James Playfair McMurrich, A. B., Toronto, 1879; Instr., 1884-86; Prof., Haverford, 1886-89; Instr., Clark, 1889-91; Prof., Cincinnati, 1891-94. —Prof., Anatomy, Univ. of Mich.

Albert Gallatin Palmer, (F), A. B., 1882; Asst. and Asst. Prof., Swarthmore, 1885-87.—Norwood, Md.

Harry Fielding Reid, (F), A. B., 1880, Asst., 1882-84, Lecturer, 1894-96; Prof., Case School, 1886-94; Assoc. Prof., Chicago, 1895-97.—Prof., Geol. Physics.

Henry Alford Short, Columbia (A. B., 1880, Fellow, 1880-83, Tutor, 1885-88).—New York.

Morrison Isaac Swift, (F), A. B., Williams, 1879; Instr., Philos., Hobart, 1882-84.

Henry Alfred Todd, A. B., Princeton, 1876; Instr. and Assoc., 1883-91; Prof., Stanford, 1891-93.—Prof., Romance Philol., Columbia. (13)

1886

William Shirley Bayley, (F), A. B., 1883; Prof., Mineral. and Geol., Colby, 1888-1904.—U. S. Geol. Survey.

*Adam Todd Bruce, (F), A. B., Princeton, 1881; Instr., Osteol., 1886-87. **February* 9, 1887.

Davis Rich Dewey, (F), A. B., Univ. of Vt., 1879; Lecturer, 1895-96.—Prof., Economics, Mass. Inst. Tech.

William Henry Emerson, (F), U. S. Naval Acad., 1880; Prof., S. C. Mil. Acad., 1886-88.—Prof., Chem., Ga. School of Tech., Atlanta.

Joseph Auguste Fontaine, Coll. of Sion, France, 1879; Instr., Univ. of Neb., 1887-89; .Prof., .Romance Lang., Univ. of Miss., 1889-91, Bryn Mawr, 1891-99.

Elgin Ralston Lovell Gould, (F), A. B., Victoria (Ont.), 1881; Instr., Wash. High School, 1884-87; Reader, 1887-89, Lecturer, 1892-97; Prof., Chicago, 1895-96; Lecturer, Columbia, 1902-03.—New York.

William Penn Holcomb, Swarthmore, (B. L., 1878, Prof., Hist., 1886-94). —Charlestown, N. H.

Joseph Jastrow, (F), A. B., Univ. of Pa., 1882.—Prof., Exper. Psychol., Univ. of Wis.

George Theophilus Kemp, (F), A. B., 1883; M. D., L. I. Med. Coll., 1891; Demonstr., Univ. of Pa., 1886-87; Assoc. and Assoc. Director, Hoagland Lab., 1888-93.—Prof., Physiol., Univ. of Ill., Champaign.

Charles Herbert Levermore, (F), A. B., Yale, 1879; Instr., Univ. of Cal., 1886-88; Prof., Hist., Mass. Inst. Tech., 1888-93.—President, Adelphi Coll., Brooklyn.

Gonzales Lodge, (F), A. B., 1883; LL. D., Franklin and Marshall, 1901; Prof., Davidson, 1886-88, Bryn Mawr, 1889-1900.—Prof., Latin and Greek, Teachers Coll., N. Y.

Charles William Emil Miller, (F), A. B., 1882.—Assoc. Prof., Greek.

Henry Barber Nixon, (F), Univ. of N. C., 1878.—Prof., Math., Pa. Coll., Gettysburg.

Charles Skeele Palmer, (F), A. B., Amherst, 1879; Prof., Chem., Univ. of Colo., 1886-1902; Pres., Colo. Sch. of Mines, 1902-03.—Anaconda, Mont.

Burr James Ramage, A. B., Newberry, 1880.—Prof., Common Law, and Dean, Law School, Univ. of the South, Sewanee, Tenn.

Shosuke Sato, S. B., Sapporo Agric., 1880.—Acting Director and Prof. of Agric. Economics, Agric. Coll., Sapporo, Japan.

Woodrow Wilson, (F), A. B., Princeton, 1879; LL. D., Wake Forest, 1887, Tulane, 1898; Litt. D., Yale, 1901; LL. D., 1902; Assoc. and Assoc. Prof., Bryn Mawr, 1885-1888; Prof., Wesleyan, 1888-90; Lecturer, 1887-98.—Prest., and Prof., Jurisprudence and Politics, Princeton.

(17)

1887

Cyrus Adler, (F), A. B., Univ. of Pa., 1883; Instr. and Assoc., 1887-93.—Librarian, Smithsonian Inst.; Prof., Oriental Hist., etc., Columbian Univ.

Ethan Allen Andrews, (F), Ph. B., Yale, 1881.—Assoc. Prof., Biology.

Rev. Albert Clayton Applegarth, A. B., 1884.—Clergyman, Huntingdon, Pa.

*David Barcroft, (F), Ph. B., Univ. of Cal., 1882. **August* 2, 1894.

Henry Gustav Beyer, M. D., Bellevue Hosp., 1876; M. R. C. S. (London); Director, Phys. Train, U. S. Naval Acad., 1891-95.—Surgeon, U. S. N.

Richard Newman Brackett, A. B., Davidson, 1883.—Asst. Prof. Chem., Clemson Coll., Rock Hill, S. C.

Henry Crew, (F), A. B., Princeton, 1882; Asst., 1887-88; Instr., Haverford, 1888-91.—Prof. Physics, Northwestern Univ., Ill.

Albert E. Egge, (F), A. B., Luther, 1879; Prof., St. Olaf, 1887-92; Instr., Iowa Univ., 1892-96.—Prof. English, Washington Agric. Coll., Pullman.

John Charles Fields, (F), A. B., Toronto, 1884; Prof., Allegheny, 1889-98.—Lecturer, Math., Toronto.

Andrew Fossum, A. B., Luther, 1882.—Prof. Greek, St. Olaf Coll., Northfield, Minn.

Richmond Harding, A. B., Davidson, 1880.—Prof. Greek, Davidson, N. C.

Charles Willard Hayes, (F), A. B., Oberlin, 1883.—U. S. Geol. Survey, Washington; Lecturer, 1903-04.

William Adam Hedrick, A. M., Columbian, 1884.—Instr. Physics, High School, Washington.

Frank Gaylord Hubbard, A. B., Williams, 1880; Instr., Smith Coll., 1887-88, Univ. of Cal., 1888-92.—Prof. English, Univ. of Wis.

George Benjamin Hussey, (F), A. B., Columbia, 1884; Fellow, Princeton, 1888-90; Instr. and Assoc. Prof., Univ. of Neb., 1891-94; Docent, Chicago, 1894-1900.—Asst. Prof. Greek and Latin, Western Maryland Coll., Westminster.

James Hervey Hyslop, (F), A. B., Wooster, 1877; Instr., Bucknell, 1888-89; Prof. Logic and Ethics, Columbia, 1895-02.—New York.

Marion Dexter Learned, (F), A. B., Dickinson, 1880; Instr., Assoc. and Assoc. Prof., 1886-95.—Prof. German, Univ. of Pa.

William Ridgely Orndorff, (F), A. B., 1884.—Prof. Organ. Chem., Cornell.

Daniel Richard Randall, (F), A. B., St. John's, 1883.—Atty. at Law, Annapolis.

Frederick Morris Warren, A. B., Amherst, 1880; Instr. and Assoc., 1886-91; Prof., Adelbert, 1891-1901.—Prof. Modern Lang., Yale; Lecturer, French Literature. (20)

1888

William Muss Arnolt, (F), B. D., New Brunsw. Theol. Sem., 1882; Instr., 1891-93; Asst. Prof., Univ. of Mich., 1893-94; Instr. and Asst. Prof. Biblical Philol., and Asst. Recorder, Univ. of Chicago, 1893-1903.—Belmont, Mass.

Philip Wheelock Ayres, (F), Ph. B., Cornell, 1884.— Director. Summer School, Charity Organ, Soc., N. Y.

Louis Bell, (F), A. B., Dartmouth, 1884; Prof. Physics, Purdue, 1888-89; Lecturer, Mass. Inst. Tech., 1900-01.—Elec. Engineer, Boston.

Benjamin Lester Bowen, A. B., Rochester, 1881; Prof., Bowdoin, 1888-89.—Prof. Romance Lang., Ohio State Univ., Columbus.

William Henry Burnham, (F), A. B., Harvard, 1882; Instr., 1888-89.—Asst. Prof. Pedagogy, Clark Univ.

Richard Eugene Burton, A. B., Trinity (Conn.), 1883; Lecturer, 1898; Prof., Univ. of Minn., 1898-1902.—Univ. Extension Lecturer, English Lit., Univ. of Chicago; Editor, Boston.

John Pendleton Campbell, (F), A. B., 1885.—Prof. Biology, Univ. of Ga., Athens.

Herbert Charles Elmer, (F), A. B., Cornell, 1883.— Asst. Prof. Latin, Cornell.

Robert Orlando Graham, A. B., Amherst, 1877.—Prof. Chem. and Geol., Illinois Wesleyan, Bloomington.

Erasmus Haworth, S. B., Kansas Univ., 1881; Prof., Oskaloosa, 1882-92.—Prof. Phys. Geol., Kansas Univ., Lawrence.

Francis Hobart Herrick, A. B., Dartmouth, 1881.—Prof. Biol., Adelbert, Cleveland.

William Herbert Hobbs, (F), S. B., Worcester Polytech., 1883.— Prof. Mineral., etc., Univ. of Wis.

Joseph Hoeing Kastle, (F), S. B., Ky. State, 1884.—Prof. Chem., Ky. State Coll., Lexington.

Andrew Cowper Lawson, (F), A. B., Toronto, 1883.—Prof. Mineral. and Geol., Univ. of Cal.

Felix Lengfeld, (F), Prof., S. Dak. School of Mines, 1890-91; Instr., Univ. of Cal., 1891-92; Docent, Tutor, Asst. Prof., Chicago, 1892-1901. —Chemist, San Francisco.

Archibald Byron Macallum, A. B., Toronto, 1886.—Assoc. Prof. Physiol., Univ. of Toronto.

John Ernst Matzke, A. B., Hope Coll., 1882; Prof., Bowdoin, 1889-90, Indiana Univ., 1890-91; Assoc., 1891-93.—Prof. Romanic Lang., Stanford.

*Thomas McCabe, (F), A. B., 1886; Instr., Univ. of Mich., 1888-89; Prof., Ind. Univ., 1889-90; Assoc. Romance, Bryn Mawr, 1890-91. **February* 22, 1891.

Yujiro Motora, (F), Doshisha Kyoto, Japan, 1879.—Prof. Psychol., Univ. of Tokyo.

Julius Nelson, (F), S. B., Wis., 1881. —Prof. Biology, Rutgers.

George Thomas White Patrick, (F), A. B., Iowa Univ., 1878; B. D., Yale, 1885.—Prof. Philos., Iowa Univ.

Edmund Clark Sanford, (F), A. B., Cal., 1883; Instr., 1888-89.—Prof. Exper. Psychol., Clark Univ.

Henry Taber, Ph. B., Yale, 1882; Asst., 1888-89.—Asst. Prof. Math., Clark Univ.

*Amos Griswold Warner, (F), Univ. of Neb. (B. L., 1885, Prof., 1889-91); Gen. Sec., Charity Organ. Soc., Balt., 1887-89; Supt. of Charities, D. C., 1891-93; Lecturer, 1892-93; Prof. Econ., Stanford, 1893-1900. **January* 18, 1900.

John Roaf Wightman, (F), A. B., Toronto, 1871; Prof., Iowa Coll., 1889-91; Assoc. Prof., Univ. of Neb., 1891-93. — Prof. Romance Lang., Oberlin.

Henry Van Peters Wilson, (F), A. B., 1883; Bruce Fellow, 1888-89.—Prof. Biol., Univ. of N. C., Chapel Hill.

Thomas Kimber Worthington, A. B., Haverford, 1883; LL. B., Univ. of Md., 1900. (27)

1889

Charles McLean Andrews, (F), A. B., Trinity (Conn.), 1884.—Prof. Hist., Bryn Mawr.

Frank Wilson Blackmar, (F), Ph. B., Univ. of Pacific, 1881.—Prof. Hist., etc., Univ. of Kansas, Lawrence.

Jeffrey Richardson Brackett, A. B., Harvard, 1883; Prest., Supervisors of Charities, Balt., 1900-04; Lecturer, Public Aid, etc., 1897-04.—Director, School for Social Workers, Harvard.

William Merriam Burton, (F), A. B., Adelbert, 1886.—Supt., Standard Oil Co., Whiting, Ind.

Morgan Callaway, Jr., (F), A. B., Emory (Ga.), 1881; Prof. Southwestern Univ., 1889-90.—Prof. English, Univ. of Texas, Austin.

Alfred Robert Louis Dohme, A. B., 1886.—Chemist, Balt.; Instr. Pharmacy.

*William Curns Lawrence Gorton, (F), A. B., 1886; Assoc. Prof. and Prof. Math., Woman's Coll., Balt., 1888-94. **November* 8, 1894.

Joseph Edward Harry, (F), A. B., 1886; Prof., Georgetown, Ky., 1889-1900.—Prof. Greek, Univ. of Cincinnati.

*George Allison Hench, (F), A. B., Lafayette, 1885; Instr., Asst. Prof., Prof. German, Univ. of Mich., 1890-99. **August* 16, 1899.

Clifton Fremont Hodge, (F), A. B., Ripon, 1882; Instr., Univ. of Wis., 1891-92.—Asst. Prof. Physiol., Clark Univ.

Cary Talcott Hutchinson, (F), Ph. B., Washington Univ., 1886; Acting Assoc. Prof. Electricity, 1898-99.—Consulting Engineer, N. Y.

James Thomas Lees, A. B., Adelbert, 1886.—Prof. Greek, Univ. of Neb., Lincoln.

Archibald MacMechan, (F), A. B., Toronto, 1884.—Prof. English, Dalhousie, Halifax.

Charles William Moulton, A. B., Univ. of Minn., 1885.—Prof. Chem., Vassar.

Albion Woodbury Small, Colby (A. B., 1876, LL. D., 1900, Prest., 1889-92); Reader, 1888-89.—Prof. Sociol., Chicago.

Charles Lee Smith, (F), S. B., Wake Forest, 1884; Instr., 1889-91; Gen. Sec., Charity Organ. Soc., Balt., 1889-91. — Prof. Hist., William Jewell Coll., Liberty, Mo.

Kirby Flower Smith, A. B., Univ. of Vt., 1884.—Prof. Latin.

Rev. Lemon Leander Uhl, A. B., Wittenberg, 1871.—Boston.

Arthur Clarence Wightman, (F), A. B., Wofford, 1879; Demonstr., 1889-90; Prof., Md. Agric., 1890-91.—Prof. Biol. and Phys., Randolph-Macon, Ashland, Va.

*William Klapp Williams, A. B., 1886. **June* 4, 1897. (20)

1890

Joseph Sweetman Ames, (F), A. B., 1886.—Prof. Physics.

Rev. Edward Carey Applegarth, (F), A. B., 1887; M. D., Phys. and Surg., Balt., 1892.—Clergyman, Boston.

Charles Cotton Blackshear, A. B., Mercer, 1881; Instr., Bryn Mawr, 1890-91.—Prof. Chem., Woman's Coll., Balt.

Charles Hiram Chapman, (F), A. B., 1888; Instr. and Assoc., 1889-92; Prest., Univ. of Oregon, 1893-99.—Woodland, Wash.

Rudolf John Julius De Roode, Jr., (F), S. B., Ky. State Coll., 1885.—Supt., Bureau of Tests, Internat. Paper Co., N. Y.

George Peter Dreyer, (F), A. B., 1887; Demonstr., Assoc., Assoc. Prof., 1890-1900.—Prof. Physiol., Med. Dept., Univ. of Ill., Chicago.

Edwin Whitfield Fay, (F), A. M., Southwestern Presb., 1883; Instr., Mich., 1890-91; Acting Prof., Univ. of Texas, 1892-93; Prof., Washington and Lee, 1893-99.—Prof. Latin, Univ. of Texas, Austin.

Henry Torsey Fernald, S. B., Maine State, 1885; late Prof., Pa. State Coll.—Prof. Entomol., Mass. Agric. Coll., Amherst.

Henry Brayton Gardner, (F), A. B., Brown, 1884.—Prof. Polit. Econ., Brown Univ., Providence.

Charles Jaques Goodwin, (F), A. B., Bowdoin, 1887; Prof., Cornell Coll., 1890-92; Tutor, Wesleyan, 1892-95; Acting Prof., St. Stephen's, N. Y., 1898-99.—Prof. Greek, Lehigh, S. Bethlehem, Pa.

Charles Homer Haskins, A. B., 1887; Instr., 1889-90; Lecturer, Harvard, 1899-1900; Asst. Prof. and Prof., Wisconsin, 1890-1902.—Prof. Hist., Harvard.

James Taft Hatfield, (F), A. B., Northwestern, 1883.—Prof. German, Northwestern Univ., Ill.

John Cohn Hemmeter, M. D., Univ. of Md., 1883.—Clin. Prof. Med., Univ. of Md.; Physician., Balt.

Charles Holmes Herty, Univ. of Ga. (Ph. B., 1886, Adj. Prof. Chem., 1894-1902).—Expert, Natl. Bureau of Forestry.

Jesse Herman Holmes, A. B., Univ. of Neb., 1884.—Prof. Hist. and Biblical Lit., Swarthmore, Pa.

Rev. Abel Henry Huisinga, (F), A. B., Hope Coll., 1880; Adj. Prof., McCormick Theol. Sem., 1894-96.—Clergyman, Fishkill, N. Y.

Toyokichi Iyenaga, Ph. B., Oberlin, 1887; late Prof. Polit. Sci., Semmo Gakko, Tokyo.—Univ. Extension Lecturer, Univ. of Chicago.

Thomas Logie, (F), A. B., Toronto, 1887; Asst. Prof., Williams, 1890-93; Assoc. Prof., Rutgers, 1893-98.—Prof. Romance Lang., Univ. of Cape Town, Africa.

Hiram Benjamin Loomis, (F), A. B., Trinity (Conn.), 1885; Instr., Univ. of Wis., 1890-93; Asst. Prof., Northwestern, 1893-96, and Instr. in the Academy, 1896-97; late Science Instr., Medill High School, Chicago.—Western Springs, Ill.

Herbert William Magoun, (F), A. B., Iowa, 1879; Acting Prof., Colo. Coll., 1890-91, Oberlin, 1892-95.— Prof. Latin, Redfield Coll., S. Dakota.

John Hanson Thomas McPherson, (F), A. B., 1886; Instr., Univ. of Mich., 1890-91.—Prof. Hist., Univ. of Ga., Athens.

Wilmot Vernon Metcalf, A. B., Oberlin, 1883.—Prof. Chem. and Phys., Carleton Coll., Northfield, Minn.

Thomas Hunt Morgan, (F), S. B., Ky. State Coll., 1886; Bruce Fellow, 1890-91.—Prof. Biol., Bryn Mawr.

Augustus Taber Murray, (F), A. B., Haverford, 1885; Prof., Earlham, 1888-91, Colorado Coll., 1891-92.—Prof. Greek, Stanford.

Wyatt William Randall, A. B., St. John's, 1884; Asst. and Assoc., 1890-98.—Head Master, Mackenzie School, Dobbs Ferry, N. Y.

*George Mann Richardson, (F), Lehigh (A. C., 1886, Instr., 1890-91); Assoc. Prof. and Prof. Organ. Chem., Stanford, 1891-1902. **July* 26, 1902.

Joseph Samuel Shefloe, (F), A. B., Luther, 1885.—Prof. Romance Lang., and Librarian, Woman's Coll., Balt.

Robert Benson Steele, (F), A. B., Wis., 1883; Prof., St. Olaf, 1890-91, Illinois Wesleyan, 1891-1901. — Adj. Prof. Latin, Vanderbilt.

Andrew Stephenson, A. B., Ind. Asbury, 1882; Assoc. Prof., Wesleyan, 1890-94.—Prof. History, De Pauw, Greencastle, Ind.

Frederick Jackson Turner, A. B., Wis., 1884.—Prof. Amer. Hist., Univ. of Wis.; Lecturer, Harvard, 1903-04.

John Martin Vincent, A. B., Oberlin, 1883.—Assoc. Prof. History.

Shosaburo Watase, (F), S. B., Sapporo Agric., 1884; Bruce Fellow, 1889-90; Lecturer and Asst., Clark, 1890-92; Reader and Asst. Prof., Chicago, 1892-99.— Prof. Zoology, Univ. of Tokyo.

James Albert Woodburn, (F), A. B., Indiana, 1876.—Prof. Amer. Hist., Indiana Univ., Bloomington. (33)

1891

Alfred Bagby, Jr., A. B., Richmond, 1885; Adj. Prof., Greek, S. C. Univ., 1891-93.—Atty. at Law, Balt.; Instr., Balt. Law School.

James William Black, A. B., 1888; Acting Prof., Georgetown Coll., Ky., 1891-92; Assoc. Prof., Oberlin, 1892-94.—Prof. Hist., etc., Colby, Waterville, Me.

Charles Pliny Brigham, A. B., 1888. —Greenport, Long Island, N. Y.

Charles Edward Coates, Jr., A. B., 1887; Prof., St. John's, 1891-93.— Prof. Chem., La. State Univ., Baton Rouge.

Edwin Grant Conklin, (F), Ohio Wesleyan (S. B., 1885, Prof., 1891-94); Prof., Northwestern, 1894-95.—Prof. Zool., Univ. of Pa.

Paul Joseph Dashiell, A. B., 1887; Instr., Lehigh, 1889-90, 1891-92.—Prof. Chem., U. S. Naval Academy.

Herman Louis Ebeling, (F), A. B., 1882; Prof., Miami Univ., 1891-99; Acting Prof. and Instr., Haverford, 1901-03.— Asst. Prof. Greek, Hamilton Coll., Clinton, N. Y.

William Snyder Eichelberger, (F), A. B,. 1886; Instr., Wesleyan, 1891-96. —Prof. Math., U. S. Navy, Wash.

Thomas Perrin Harrison, (F), S. C. Mil. Acad., 1886; Assoc. Prof., Clemson, 1891-95.—Prof. English, Davidson, N. C.

Walter Jones, A. B., 1888; Acting Prof., Wittenberg, 1891-92; Instr. and Prof., Purdue, 1892-95.—Assoc. Prof. Physiol. Chem.

Henry Parker Manning, (F), A. B., Brown, 1883.—Asst. Prof. Pure Math., Brown.

George Frederick Metzler, A. B., Albert Coll., 1889; Instr., Univ. of Mich., 1892-93, Queen's Univ., Ont., 1895-96.

William McCracken Milroy, A. B., Geneva, 1887.—Prof. Latin, Geneva Coll., Beaver Falls, Pa.

John Leverett Moore, (F), Princeton (A. B., 1881, Tutor, 1882-85); Instr., 1888-89.—Prof. Greek and Latin, Vassar.

Wilfred Pirt Mustard, (F), A. B., Toronto, 1886; Prof., Colorado Coll., 1891-93.—Prof. Latin, Haverford, Pa.

Barker Newhall, (F), A. B., Haverford, 1887; Instr., Brown, 1892-95, Bates Coll., 1895-96.—Prof. Greek, Kenyon Coll., Gambier, O.

George Petrie, A. M., Va., 1887.—Prof. Hist., Ala. Polytech., Auburn.

Edward Bennett Rosa, (F), Wesleyan (S. B., 1886, Prof., 1891-1903).— Chief Physicist, Bureau of Standards, Washington.

Edward Alaworth Ross, A. B., Coe Coll., 1886; Prof., Indiana Univ., 1891-92; Assoc. Prof., Cornell, 1892-93; Prof., Stanford, 1893-1900.— Prof. Sociol., Univ. of Neb., Lincoln.

Charles Edward Saunders, (F), A. B., Toronto, 1888; Prof., Central Univ., Ky., 1891-93.—Ottawa, Canada.

*Sidney Sherwood, A. B., Princeton, 1879; Instr., Univ. of Pa., 1891-92; Assoc. and Assoc. Prof. Polit. Econ., 1892-1901. **August* 5, 1901.

Moses Stephen Slaughter, (F), A. B., Ind. Asbury, 1883; Instr., Bryn Mawr, 1887-88; Prof., Iowa Coll., 1889-96.—Prof. Latin, Univ. of Wis.

Bernard Christian Steiner, (F), A. B,. Yale, 1888; LL. B., Univ. of Md., 1894; Instr., Williams, 1891-92; Prof., Balt. Univ. School of Law, 1897-1900.—Librarian Pratt Library; Dean and Prof., Balt. Law School; Assoc. History.

William Howe Tolman, A. M., Brown, 1882.—Director, American Inst. of Social Service, N. Y.

Stephen Beauregard Weeks, A. B., N. C., 1886; LL. D., Wake Forest, 1902; Prof., Trinity (N. C.), 1891-93.—Supt., Indian School Service, San Carlos, Ariz.

John White, Jr., (F), A. B., 1888; Asst., Cornell, 1891-93; Prof., Univ. of Neb., 1893-1903.—Prof. Chem., Rose Polytech., Terre Haute.

Westel Woodbury Willoughby, (F), A. B., 1888; Acting Asst. Prof. Stanford, 1894-95.—Assoc. Prof. Polit. Science.

Arthur Burnham Woodford, Ph. B., Yale, 1881; Instr., Univ. of Pa., 1891-92; late Prof., Coll. of Soc. Econ., New York, and Lecturer, New York Univ.—Instr., High School, New Haven. (28)

1892

Eugene Thomas Allen, A. B., Amherst, 1887; Acting Prof., Univ. of Colo., 1892-93; Asst., Harvard, 1894-95; Prof. Chem., Mo. School of Mines, 1895-01.—U. S. Geol. Survey, Wash.

William Wilson Baden, (F), A. B., 1881; LL. B., Univ. of Md., 1883; Prof., Southwestern Univ., 1892-93, Central (Ky.), 1893-96.—Prof. Greek and Latin, Idaho Univ., Moscow.

Robert Payne Bigelow, (F), S. B., Harvard, 1887; Bruce Fellow, 1891-93.—Instr. Biology, and Librarian, Mass. Inst. Tech.

Edwin Winfield Bowen, A. B., Rand.-Macon, 1887; Asst. Prof., Univ. of Mo., 1892-93.—Prof. Latin, Randolph-Macon, Ashland, Va.

Immanuel Moses Casanowicz.—Aid, Div. of Historic Archæol., U. S. National Museum, Washington.

Starr Williard Cutting, A. B., Williams, 1887.— Prof. German Lit., Chicago.

Rev. William Levering Devries, (F), A. B., 1888; S. T. B., Gen. Theol. Sem., N. Y., 1894.—Clergyman, Washington.

Albert Bernhardt Faust, (F), A. B., 1889, Instr., 1894-96; Assoc. Prof., Wesleyan (Conn.), 1896-1903.—Asst. Prof. German, Univ. of Wis.

George Wilton Field, Brown Univ. (A. B., 1887, Assoc. Prof., 1893-96); Prof. R. I. Agric. Coll., 1896-1901.—Lecturer, Econ. Zool., Mass. Inst. Tech.

Joseph Elliott Gilpin, A. B., 1889.—Assoc. Chemistry.

John Leslie Hall, (F).—Prof. English and Hist., William and Mary Coll., Va.

William Asbury Harris, (F), A. M., Richmond, 1886; Acting Prof., Ripon, 1892-93; Prof., Baylor, 1893-1901.—Prof. Greek, Richmond Coll., Va.

Frederick Clemson Howe, A. B., Allegheny, 1889.—Atty. at Law, Cleveland; Prof., Baldwin Univ., O.

William Isaac Hull, A. B., 1889.—Prof. Hist. and Econ., Swarthmore, Pa.

Harry Clary Jones, (F), A. B., 1889.—Assoc. Prof. Phys. Chem.

James Lawrence Kellogg, (F), Olivet (S. B. 1888, Prof., 1892-99).—Prof. Biol., Williams Coll.

Charles Rollin Keyes, (F), S. B., Iowa Univ., 1887; late State Geologist of Missouri.—Prest., New Mexico Sch. of Mines, Socorro.

Elmer Peter Kohler, (F), A. B., Muhlenberg, 1886.—Prof. Chem., Bryn Mawr.

*Paul Erasmus Lauer, (F), A. B., Adelbert, 1885; Asst. Supt. of Schools, Cleveland, 1892-93. **February* 20, 1893.

Edwin Seelye Lewis, (F), A. B., Wabash, 1888. — Prof. Romance Lang., Princeton.

David Judson Lingle, (F), S. B., Chicago, 1885.—Instr. Physiol., Chicago.

Alvin Frank Linn, (F), A. B., Wittenberg, 1884. — Prof. Chem. and Mineral., Wittenberg Coll., Springfield, O.

James Alexander Lyman, A. B., Beloit, 1888; Docent, Chicago, 1892-93.—Instr. Chem., Portland Academy, Oregon.

John Hanson Thomas Main, (F), A. B., Moore's Hill, 1880.—Prof. Greek, and Acting Prest. (1900-02), Iowa Coll., Grinnell.

Frank Jewett Mather, Jr., (F), Williams (A. B., 1889, Instr., 1892-1900).—Asst. Ed., *Evening Post*, N.Y.

Michael Andrew Mikkelsen, (F), A. B., Luther, 1886.—Montclair, N. J.

Robert Milton Parks, Jr., A. B., Indiana, 1879; Prof., Furman, 1892-93, Central (Ky.), 1893-1900.—Prof. Chem., Manual Train. School, Louisville.

Charles Lane Poor, (F), S. B., N. Y. City Coll., 1886; Instr., Assoc., Assoc. Prof., 1891-99.— Lectr. and Prof. (*elect*) Astron., Columbia Univ.

John Dyneley Prince, (F), A. B., Columbia, 1888; Prof., N. Y. Univ., 1892-02.—Prof. Semitic Lang., Columbia.

John Cunningham Robertson, (F), A. M., Va., 1885.—Prof. Greek, St. Stephen's Coll., Annandale, N. Y.

*Charles Hunter Ross, (F), S. B., Ala. Agric., 1886; Prof. Mod. Lang., Southwestern Univ., 1890-91, Ala. Polytech., 1892-1900. **February* 23, 1900.

Harry Luman Russell, S. B., Wis., 1888.—Prof. Bacteriol., Univ. of Wis.

William Amasa Scott, A. B., Rochester, 1886.—Prof. Economic Hist. and Theory, and Director, Sch. of Commerce, Univ. of Wis.

Will Bush Shober, A. B., St. John's, 1885.—Instr. Chem., Lehigh.

Martin Bell Stubbs, A. B., Haverford, 1888; Instr. Chem., Ursinus, 1900-01.—U. S. Weather Bureau, New Orleans.

Harry Maas Ullmann, A. B., 1889; Hon. Fellow, Chicago, 1892-93.—Instr. Chem., Lehigh.

Bert John Vos, (F), A. B., Mich., 1888; Instr., Chicago, 1892-93.—Assoc. Prof. German. (37)

1893

Henry Harold Ballard, A. B., 1888; Instr., Rose Polytech., 1893-96.—Math. Master, Country School, Balt.

Florence Bascom, S. B., Wis., 1884; Instr., Ohio State Univ., 1893-95.—Assoc. Prof. Geol., Bryn Mawr.

Jasper Luther Beeson, A. B., Univ. of Ala., 1889.—Prof. Chem. and Phys., Ga. Normal and Industrial Coll., Milledgeville.

Alexander Mitchell Carroll, (F), Richmond (A. M., 1888, Prof., 1895-97); Reader, 1898-99.—Prof. Greek and Latin, Columbian, D. C.

*Andrew Fuller Craven, LL. B., Chicago, 1880; A. B., Harvard, 1889; Prof. Politics and Econ., Columbian, 1893-04. **March* 2, 1904.

John Bascom Crenshaw, A. M., Rand.-Macon, 1881; Instr. Phys. Culture, 1893-99.—Instr., Balt. City Coll.

Ulysses Sherman Grant, (F), S. B., Univ. of Minn., 1888.—Prof. Geol., Northwestern Univ., Ill.

David I. Green, A. B., Alfred Univ., 1885.—Supt., Organ. Charities, Hartford, Conn.

William Richard Grey, A. B., Davidson, 1884.—Prof. Latin and French, Davidson, N. C.

George Henry Haynes, A. B., Amherst, 1887.—Prof. Hist. and Polit. Sci., Worcester Polytech. Inst., Mass.

Charles Downer Hazen, A. B., Dartmouth, 1889.—Prof. Hist., Smith Coll.

Frank Irving Herriott, Iowa Coll. (A. B., 1890, late Prof. Economics).—Des Moines, Iowa.

David Hull Holmes, (F), A. B., Iowa Wesleyan, 1885; Acting Prof., Allegheny, 1893-94; Prof., Univ. of Kansas, 1896-97.—Class. Instr., High School, Brooklyn.

Arthur John Hopkins, (F), A. B., Amherst, 1885; Prof., Westminster Coll. (Pa.), 1893-94. — Asst. Prof. Chem., Amherst.

Theodore Hough, (F), A. B., 1886.; Instr. and Asst. Prof., Mass. Inst. Tech., 1893-1903.—Assoc. Prof. Biol., Simmons Coll., Boston.

James Alton James, (F), B. L., Wis., 1888; Prof., Cornell Coll., 1893-96.—Prof. European Hist., Northwestern Univ., Ill.

Henry Read McIlwaine, A. B., Hampden-Sidney, 1884.—Prof. English and Hist., Hampden-Sidney, Va.

*Louis Emil Menger, (F), A. B., Miss. Coll., 1888; Instr. and Assoc., 1893-97; Assoc. Prof. and Prof. Romance Philol., Bryn Mawr, 1897-1903. **August* 5, 1903.

Colyer Meriwether, A. B., 1886.—Instr. English, etc., Washington High Sch.

*Lucius Salisbury Merriam, (F), S. B., Vanderbilt, 1889; Instr. Pol. Econ., Cornell, 1893. **November* 18, 1893.

Maynard Mayo Metcalf, (F), A. B., Oberlin, 1889; Bruce Fellow, 1893. —Prof. Biol., Woman's Coll., Balt.

Daniel Alexander Murray, (F), A. B., Dalhousie, 1884; Assoc. Prof., New York Univ., 1890-94; Instr., Cornell, 1894-1901.—Instr. Math., Dalhousie, Halifax, N. S.

William Peters Reeves, A. B., 1889; Asst., Union, 1895-97; Prof., Iowa Univ., 1897-1900. — Prof. English, Kenyon Coll., Gambier, O.

Charles Alphonso Smith, A. B., Davidson, 1884; Prof., La. Univ., 1893-02. —Prof. English, Univ. of N. C., Chapel Hill.

George Owen Squier, (F), U. S. Mil. Acad., 1887.—Colonel, U. S. A.; U. S. Signal Service, Washington.

John Nesbit Swan, A. B., Westminster Coll. (Pa.), 1886.—Prof. Chem., Monmouth Coll., Ill.

Frederick Tupper, Jr., (F), A. B., Charleston, 1890; Prof., Wells Coll., 1893-94.—Prof. Rhetoric and English Lit., Univ. of Vt., Burlington.

Frank Alfred Wolff, Jr., (F), A. B., 1890.—Prof., Columbian; Physicist, Bureau of Standards, Wash. (28)

1894

James Nesbit Anderson, A. M., Va., 1887; Prof., Univ. of Oklahoma, 1894-96.—Instr. Latin, Vanderbilt, Nashville, Tenn.

John Spencer Bassett, (F), A. B., Trinity (N. C.), 1888.—Prof. History, Trinity, Durham, N. C.

William Julian Albert Bliss, A. B., Harvard, 1888; Instr., Woman's Coll., Balt., 1894-95. — Collegiate Prof. Physics.

James Douglas Bruce, A. M., Va., 1883; Prof., Centre Coll. (Ky), 1890-91; Assoc. Prof., Bryn Mawr, 1891-1900. —Prof. English, Univ. of Tenn., Knoxville.

James Dowden Bruner, A. B., Franklin Coll., 1888; Prof., Univ. of Ill., 1893-95; Asst. Prof., Chicago, 1895-98.—Assoc. Prof. Romance Lang., Univ. of N. C., Chapel Hill.

John Emery Bucher, A. C., Lehigh, 1891; Instr., Tufts, 1894-97; Assoc. Prof., R. I. Agric. Coll., 1897-1900. —Assoc. Prof. Organ. Chem., Brown Univ., Providence.

Frank Kenneth Cameron, A. B., 1891; Fellow and Asst., Cornell, 1894-95, 1897-98; Asst. Prof., Catholic Univ., 1895-97.—Soil Chemist, Agric. Dept., Wash.

William Embert Chamberlin, A. B., Oberlin, 1887; Instr., Wabash Coll., 1894-95.—Analyt. Chemist, New York.

Abraham Cohen, (F), A. B., 1891.— Assoc. Mathematics.

Louis Leaming Forman, A. M., Univ. of Pa., 1890.—Instr. Greek, Cornell.

Edward Curtis Franklin, S. B., Univ. of Kan., 1888.—Prof. Phys. Chem., Univ. of Kansas, Lawrence.

Joseph Hendren Gorrell, A. B., Washington and Lee, 1888.—Prof. Modern Lang., Wake Forest Coll., N. C.

George Perry Grimsley, A. B., Ohio State Univ., 1890.—Prof. Geol., etc., Washburn Coll., Topeka, Kan.

Ross Granville Harrison, (F), A. B., 1889; M. D., Bonn, 1899; Bruce Fellow, 1894; Lecturer, Bryn Mawr, 1894-95.—Assoc. Prof. Anatomy.

*Robert Nelson Hartman, A. B., Pa. Coll., 1891; Instr., Tufts Coll., 1896-99; Prof. Chem., Colo. Sch. of Mines, 1899-1903. **May* 8, 1903.

Jacob H. Hollander, (F), A. B., 1891; Treasurer of Porto Rico, 1900-01.— Assoc. Prof. Pol. Econ.

Lorrain Sherman Hulburt, A. B., Wis., 1883; Prof., Univ. of S. Dak., 1887-91; Fellow, Clark, 1891-92.—Collegiate Prof. Mathematics.

Masanobu Ishisaka, Ph. B., Albion Coll., 1891.— Lecturer, Hist. and Econ., Mie-Ji-Gaku-In, Tokyo.

Thomas Atkinson Jenkins, A. B., Swarthmore, 1887; Prof., Vanderbilt, 1895-1900, Swarthmore, 1900-01.—Assoc. Prof. French, Chicago.

Christopher Johnston, (F), Va. (B. Litt., 1876, A. B., 1878, A. M., 1879); M. D., Univ. of Md., 1880. —Assoc. Prof. Oriental Hist. and Archæol.

Emory Bair Lease, (F), A. B., Ohio Wesleyan, 1885; Prof., Allegheny, 1894-96; Asst. Prof., Mich., 1896-99; Instr. Wesleyan, 1899-1901.—Instr. Latin, Coll. City of New York.

Arthur Stanley Mackenzie, (F), A. B., Dalhousie, 1885. — Prof. Physics, Bryn Mawr.

*Edward Payson Manning, (F), A. B., Brown, 1889; Instr., St. Lawrence Univ., 1894-95. **February* 15, 1897.

Charles Carroll Marden, A. B., 1889; Instr., Mich., 1890-91.—Assoc. Prof. Spanish.

Edward Bennett Mathews, (F), A. B., Colby, 1891.—Assoc. Prof. Mineralogy.

Philip Randle Moale, A. B., 1889.—Chemist, Asheville, N. C.

Constance Pessels, Univ. of Texas (B. L., 1886, late Instr. in English).—Instr., High School, San Antonio.

Jesse Siddall Reeves, S. B., Amherst, 1891.—Atty. at Law, Richmond, Ind.

Arthur Percy Saunders, (F), A. B., Toronto, 1890; Instr., Wis., 1894-96; Asst., McGill, 1898-99, Cornell, 1899-1900.—Instr. Chem., Hamilton Coll., Clinton, N. Y.

Robert Lincoln Slagle, A. B., Lafayette, 1887.—Prest., S. Dakota Sch. of Mines, Rapid City.

Rev. Daniel Gurden Stevens, Jr., (F), A. B., 1891; B. D., Croser Theol. Sem., 1897.—Clergyman, Bryn Mawr, Pa.

Frederick Henry Sykes, (F), A. B., Toronto, 1885; Prof., Western Univ. (Ont.), 1895-97; Lecturer, 1900-1902. —Prof. English Lit., and Director, Extension Dept., Teachers Coll., Columbia.

*Milo Scott Walker, Ph. B., Wooster, 1899.—Late Instr. Chem., McKinley High School, Chicago. **December* 30, 1903.

George Francis Weida, (F), Prof., Blackburn, 1894-96, Baker, 1896-97, Kansas Agric. Coll., 1897-1903.—Prof. Chem., Ripon Coll., Wis. (34)

1895

Rufus Mather Bagg, A. B., Amherst, 1891; Asst., 1895-97; Acting Prof., Colo. Coll., 1898-99.—Prof. Mineral., etc., New Mexico School of Mines, Socorro.

Thomas Stockham Baker, (F), A. B., 1891.—Prof. Mod. Lang., Tome Inst., Port Deposit, Md.; Lecturer, German.

James Curtis Ballagh, A. B., 1894.—Assoc. History.

Daniel Base, A. B., 1891.—Assoc. Prof. Chem., Md. Coll. of Pharmacy, and Coll. of P. and S., Balt.

Henry Marvin Belden, A. B., Trinity (Conn.), 1888.—Asst. Prof. English, Univ. of Missouri, Columbia.

Arthur Fisher Bentley, (F), A. B., 1892.—Chicago.

Samuel Walker Beyer, (F), S. B., Iowa Agric., 1889.—Assoc. Prof. Geol., Iowa Agric. Coll., Ames.

*William Bromwell, A. B., 1888; Instr. Chem., Pratt Inst., Brooklyn, 1896-98. **September* 30, 1898.

Clarence Griffin Child, (F), A. B., Trinity (Conn.), 1886.—Asst. Ed. Worcester's Dictionary; Asst. Prof. English, Univ. of Pa.

Fonger DeHaan, (F), Asst., Instr., Assoc., 1894-97.—Assoc. Prof. Spanish, Bryn Mawr.

Charles Sumner Estes, A. B., Colby, 1884; Prof., Furman, 1896-98.—Instr. Latin, High School, Brooklyn.

Henry Fay, A. B., Lafayette, 1889.—Asst. Prof. Chem., Mass. Inst. Tech.

Henry Stewart Gane, (F), A. B., Amherst, 1891.—U. S. Geol. Survey, Washington.

George William Gray, A. B., 1890.—Chemist, Standard Oil Co., Whiting, Ind.

John Joseph Griffin, A. B., Ottawa Univ., 1881.—Prof. Chem., Catholic Univ., D. C.

William August Haussmann, (F), A. B., 1892.—Instr. German, Central High School, Phila.

John Haynes, A. B., Williams, 1888; Prof. Hist., Norwich Free Acad., 1895-99.—Junior Master, High Sch., Dorchester, Mass.

Samuel Rivers Hendren, A. B., Wash. and Lee, 1892.—Staunton, Va.

Howard Haynes Higbee, A. B., Yale, 1884; Instr., Tufts, 1895-96; Prof. Chem., Hamilton, 1896-1900.—Elec. Engineer, N. Y.

Rockwell Dennis Hunt, Ph. B., Napa Coll., 1890; Prof. Hist., Univ. of the Pacific, 1895-1901.—Princ., High School, San Jose, Cal.

Joseph Rufus Hunter, A. B., Wake Forest, 1885.—Prof. Chem., Richmond Coll., Va.

George Wesley Johnston, (F), A. B., Toronto, 1886; Acting Asst. Prof., Cornell, 1895-96.— Lecturer, Latin, Univ. of Toronto.

Thomas Franklin Kane, (F), A. B., De Pauw, 1888; Prof. Olivet, 1895-1900.—Prest., and Prof. Latin, Univ. of Wash., Seattle.

William Jay Karslake, S. B., Lafayette, 1891; Instr., Dalhousie,, 1895-96.—Prof. Chem., Butler Coll., Indianapolis.

George Charles Keidel, (F), A. B., 1889.—Assoc., Romance Lang.

William Hamilton Kirk, (F), A. B., 1893; Instr., Vanderbilt, 1895-1900.—Prof. Latin, Rutgers.

John Holladay Latane, A. B., 1892, Shaw Lecturer, 1898-99; Prof., Randolph-Macon Woman's Coll., 1898-02.—Prof. Hist., Wash. and Lee, Lexington, Va.

Exum Percival Lewis, S. B., Columbian, 1888.—Asst. Prof. Physics, Univ. of Cal.

William Henry Maltbie, (F), A. B., Ohio Wesleyan, 1890.—Prof. Math., Woman's Coll., Balt.

Solomon Reid McKee, A. B., Davidson, 1888; Prof., Ogden Coll., 1895-99.—Prof. Chem., Southwestern Presb., Clarksville, Tenn.

Thomas Francis Moran, (F), A. B., Mich., 1887.—Prof. Hist., etc., Purdue Univ., Lafayette, Ind.

Louis Trenchard More, (F), Ph. B., Wash. Univ., 1892; Instr., Worcester Polytech., 1895-96; Adj. Prof., Univ. of Neb., 1896-1900.—Prof. Physics, Univ. of Cincinnati.

Anthony Moultrie Muckenfuss, A. B., Wofford, 1889; Prof., Millsaps Coll., 1893-02.—Prof. Chem., Univ. of Ark., Fayetteville.

Lyman Churchill Newell, Ph. B., Brown, 1890.—Instr. Chem., Normal School, Lowell, Mass.

James Flack Norris, (F), A. B., 1892.—Asst. Prof. Chem., Mass. Inst. Tech.

Edwin Fitch Northrup, (F), A. B., Amherst, 1891; Assoc. Prof. Physics, Univ. of Texas, 1896-97.—Phila.

Robert Somerville Radford, Va. (B. Ph., 1889, Ph. D., 1891, A. M., 1892); Prof., Washburn, 1897-98; Assoc., Bryn Mawr, 1899-01.—Prof. Latin, Elmira Coll., N. Y.

Rene De Saussure, Ecole Polytech., Paris; Prof. Math., Catholic Univ., 1895-99.—Switzerland.

Thomas Edward Shields, A. M., St. Mary's Sem. (Balt.), 1892; Instr., St. Paul Sem., Minn., 1895-1902.—Instr., Physiol. Psychol., Catholic Univ., D. C.

John Archer Silver, A. B., Princeton, 1886.—Prof. Hist., Hobart, Geneva, N. Y.

*Alfred William Stratton, (F), A. B., Toronto, 1887; Asst. and Assoc., Chicago, 1895-99; Registrar, Univ. of the Punjab, and Prof. Sanskrit, Oriental Coll., Lahore, 1899-02. **August* 23, 1902.

William Stuart Symington, Jr., A. B., 1891; Instr. and Assoc. Prof., Stanford, 1893-95; Prof. Romance Lang., Amherst, 1895-1903.—New York.

Masayoshi Takaki, S. B., Syracuse, 1891; late Lecturer, Sociol., Univ. of Tokyo.—Manager, Dai Ishi Ginko, Seoul, Korea.

Robert Richardson Tatnall, S. B., Haverford, 1890; Instr., Univ. of Pa., 1895-01. — Instr. Physics. Northwestern Univ., Ill.

Thaddeus Peter Thomas, B. P., Univ. of Tenn., 1885.—Prof. Hist., Woman's Coll., Balt.

James Waddell Tupper, A. B., Dalhousie, 1891; Prof., Western Univ., Ont., 1897-1900; Assoc., Bryn Mawr, 1900-02.—Instr. English, Harvard.

William Achenbach Wetzel, A. B., Lafayette, 1891.—Princ., High School, Trenton, N. J. (47)

1896

Benjamin William Arnold, Jr., A. B., Rand.-Macon, 1891; Acting Prof., Emory, 1899-1900; Prof., Normal School, Farmville, Va., 1900-02.—Prof. Hist. and Sociol., Rand.-Macon Woman's Coll., Lynchburg, Va.

George Melville Bolling, (F), A. B., Loyola, 1891.—Assoc. Prof. Greek, and Asst. Prof. Compar. Philol., Catholic Univ., D. C.

Ferdinand Bonnotte. —Prof. Modern Lang., Western Md. Coll., Westminster.

Alfred Cookman Bryan, A. B., 1892; Instr., Wash. High School, 1896-1902. —Instr. Hist., Polytech. Prep. Sch., Brooklyn.

Arthur Douglas Chambers, (F). A. B., Toronto, 1892.— Chemist, Ashburn, Mo.

Julian Alvin Carroll Chandler, A. B., William and Mary, 1891.—Prof. Hist. and English, Richmond Coll., Va.

James Wilkinson Chapman, Jr., A. B., Washington (Md.), 1892; LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.

Henry Scofield Cooley, S. B., New York Univ., 1891. — Instr. Hist., High School, Ogden, Utah.

Henry Rushton Fairclough, (F), Toronto (A. B., 1883, Lecturer, 1887-93).—Prof. Classical Lit., Stanford.

Edson Fessenden Gallaudet, Yale (A. B., 1893, Instr., Physics., 1897-1900).—Engineer, Cramp Co., Phila.

William Francis Galloway, (F), A. B., 1891.—Prin., Chatham Acad., Savannah, Ga.

Frederick Stearns Hollis, S. B., Mass. Inst. Tech., 1890.— Instr. Chem., Yale.

Reid Hunt, (F), A. B., 1891, Assoc. and Assoc. Prof., 1898-03; M. D., P. and S., Balt., 1896; Tutor, Columbia, 1896-98. — Pharmacologist, Bureau of Public Health, Wash.

Charles William Leverett Johnson, (F), A. B., 1891; Instr., Yale, 1897-1900; Instr. Latin, Princeton, 1900-03.—Student in Europe.

Oliver Martin Johnston, (F), A. B., Miss. Coll., 1890; Lectr., Bryn Mawr, 1896-97.—Asst. Prof. Romanic Lang., Stanford.

Frederick Robertson Jones, Western Md., (A. B., 1892, Instr., 1896-97); Instr. and Asst. Prof., Union, 1897-1902.—Assoc. Econ., Bryn Mawr.

James Pinckney Kinard, S. C. Mil. Acad., 1886.—Prof. English, Winthrop Coll., Rock Hill, S. C.

Henry McElderry Knower, (F), A. B., 1890; Bruce Fellow, 1895-96; Instr., Williams, 1896-97.— Instr. Anat.; Sec. and Co-Editor, *Amer. Jour. of Anatomy*.

Gordon Jennings Laing, (F), A. B., Toronto, 1891; Fellow, Amer. Sch. of Class. Studies, Rome, 1896-97; Reader and Lecturer, Bryn Mawr, 1897-99.—Asst. Prof. Latin, Chicago.

George Lefevre, (F), A. B., 1891; Bruce Fellow, 1895-97; Asst., 1897-98.—Prof. Zool., Univ. of Mo., Columbia.

Ebenezer Mackay, (F), A. B., Dalhousie, 1886.—Prof. Chem. and Mineral., Dalhousie, Halifax, N. S.

Raphael Monroe McKenzie, S. B., New York Univ., 1890; Instr. Chem., Univ. of Cinnati,, 1898-99.—Instr. Chem., Stevens Inst., Hoboken, N. J.

Henry Ludwell Moore, (F), A. B., Rand.-Macon, 1892; Instr., 1896-97; Prof. Smith Coll., 1897-1902.—Adj. Prof. Pol. Econ., Columbia.

Franklin Lafayette Riley, (F), A. B., Miss. Coll., 1889; Pres., Hillman Coll., 1896-97.—Prof. Hist., Univ. of Miss.

Brantz Mayer Roszel, (F), A. B., 1889; Instr. Physics, Wash. High School, 1896-1903.—Head Master, Sewanee Gram. School, Tenn.

Herbert Armistead Sayre, B. E., Univ. of Ala., 1893; Prof., Ursinus Coll., 1896-98.—Prof. Physics, etc., Univ. of Ala.

Frederick George Gottlob Schmidt, (F), Acting Prof., Cornell Coll., 1896-97. —Prof. Mod. Lang., Univ. of Oregon, Eugene.

Thomas Stanley Simonds, A. B., Harvard, 1884; Prof., Hobart, 1897-99, Trinity, Conn., 1899-1901; Instr. Latin, Univ. of Cal., 1901-02.—New York.

George Otis Smith, (F), A. B., Colby, 1893.—U. S. Geol. Survey, Washington.

Michael Druck Sohon, Lehigh (A. C., 1890, M. S., 1894. Instr., 1896-97); late Instr. Chem., High School, N. Y.

Francis Edgar Sparks, A. B., 1893.—Atty. at Law, Balt.

Frederic William Speirs, S. B., Worcester Polytech., 1888; Prof., Drexel Inst., 1893-98; late Prof., Manual Train. School, Phila.—Managing Ed., *Booklovers' Magazine;* Lecturer in Econ., Swarthmore College, 1903-04.

Arthur Coe Spencer, S. B., Case School, 1892.—U. S. Geol. Survey, Wash.

Thomas Hardy Taliaferro, (F), C. E., Va. Mil. Inst., 1890; Instr. Math., Pa. State Coll., 1896-1901.—Prest., Univ. of Fla., Lake City.

John Thorne, A. B., Denison, 1885.—Balt.

Harry Langford Wilson, (F), A. B., Queen's (Ont.), 1887.—Assoc. Prof. Latin. (36)

1897

Gellert Alleman, S. B., Pa. Coll., 1893; Instr., Univ. of Me., 1897-98, Washington Univ., 1898-02.—Prof. Chem., Swarthmore.

Edward Cooke Armstrong, (F), A. B., Rand.-Macon, 1890.—Assoc. Prof. French.

Bryon Briggs Brackett, A. B., Syracuse, 1890; Proficient in Elec., 1895; Instr., Union, 1897-98, Wash. High School, 1898-1900, Rutgers, 1900-03. —Instr. Elec., Clarkson School of Tech., Potsdam, N. Y.

James Morton Callahan, (F), A. B., Indiana, 1894; Lecturer, Hamilton, 1897-98; Lecturer, 1899-1900.—Assoc. Prof. European Hist., West Va. Univ., Morgantown.

Hubert Lyman Clark, (F), Amherst (A. B., 1892, Instr., 1897-99).—Prof. Biol., Olivet Coll., Mich.

Frank Hollinger Cluts, (F), Midland Coll. (A. B., 1892, late Instructor). —Kansas City, Mo.

*Franklin Story Conant, (F), A. B., Williams, 1893; Bruce Fellow, 1897. **September* 13, 1897.

William Schofield Day, A. B., Columbia, 1884.—Lectr. Physics, Columbia.

Noah Ernest Dorsey, (F), A. B., 1893, Asst. and Assoc., 1897-1901.—Physicist, Bureau of Standards, Wash.

Pelham Edgar, (F), A. B., Toronto, 1892.—Prof. Mod. Lang., Victoria Univ., Toronto.

Samuel Eagle Forman, A. B., Dickinson, 1887; Lecturer, 1900-01; Prof. English, Balt. City Coll., 1900-01.—Baltimore.

William Ritchie Fraser, A. B., Dalhousie, 1882.—Lecturer, Greek, McGill Univ., Montreal.

Edwin Luther Green, (F), A. B., Wash. and Lee, 1892; Prof., Central (Ky.), 1898-99; Acting Prof., Iowa Coll., 1899-1900.—Adj. Prof. Ancient Lang., S. Carolina Coll., Columbia.

Arthur Sewall Haggett, (F), A. B., Bowdoin, 1893.—Prof. Greek, Univ. of Washington, Seattle.

William Edwards Henderson, (F), A. B., Wooster, 1891; Prof., Ohio Univ., 1897-99.—Asst. Prof. Anal. Chem., Ohio State Univ., Columbus.

William Jackson Humphreys, (F), A. B., Wash. and Lee, 1886. — Instr. Physics, Univ. of Va.

Rev. Bartlett Burleigh James, A. B., Western Md., 1881; Acting Prof. Psychol. and Logic, Western Md. Coll., 1902-03.—Clergyman, Balt.

Duncan Starr Johnson, (F), S. B., Wesleyan, 1892; Bruce Fellow, 1897-98.—Assoc. Prof. Botany.

Edwin Wexler Kennedy, A. B., Univ. of Tenn., 1890; Instr. Woman's Coll., Balt., 1895-97.—Prof. Econ., and Assoc. Latin, Peabody Normal Coll., Nashville, Tenn.

Francis Plaisted King, (F), A. B., Colby, 1890; Asst. State Geologist of Georgia, 1893-96.

Omera Floyd Long, (F), A. B., Ky. Wesleyan, 1890.—Asst. Prof. Latin, Northwestern Univ., Evanston, Ill.

William Tyler Mather, (F), A. B., Amherst, 1896; Asst., 1897.—Assoc. Prof. Physics, Univ. of Texas, Austin.

John McLaren McBryde, Jr., (F), A. B., Univ. of S. C., 1890; Prof. Eng., Hollins Inst., Va., 1897-1903.—Student in England.

John Frederick Mohler, (F), A. B., Dickinson, 1887. — Prof. Physics, Dickinson, Carlisle, Pa.

Charles Patrick Neill, A. B., Georgetown (D. C.), 1891.—Prof. Pol. Econ., Catholic Univ.

Robert Stewart Norris, Univ. of Cal. (S. B., 1892, late Instr. Chem.).

Philip Ogden, A. B., Cornell, 1891.—Assoc. Prof. French Literature.

Nathan Allen Pattillo, S. B., Southern Univ., 1887; Prof., Ala. Normal Coll., 1897-99.—Prof. Math., Rand.-Macon Woman's Coll., Lynchburg, Va.

Alexander Pell, (F).— Prof. Math., Univ. of S. Dakota, Vermillion.

*Charles Dabney Ragland, (F), Rand.-Macon (A. B., 1889, Prof. Chem., 1897-1900). **October* 30, 1900.

Milton Reisenstein, A. B., 1894.—Asst. Agent, Baron Hirsch Foundation, N. Y.

Frank Roy Rutter, (F), A. B., 1894; Lecturer, Columbian, 1901-02.—Dept. of Agric., Washington; Lecturer, Commerce, etc., Iowa Univ., 1903-04.

John Adams Scott, (F), A. B., Northwestern, 1891.—Assoc. Prof. Greek, Northwestern Univ., Evanston, Ill.

George Burbank Shattuck, (F), S. B., Amherst, 1892.—Assoc. Prof. Geology.

George Shipley, A. B., Rand.-Macon, 1887.—English Master, Boys' Latin Sch., Balt.; Asst. Ed., *Baltimore American*.

Charles Peter Sigerfoos, S. B., Ohio State Univ., 1889; Asst., 1895-97.—Prof. Zool., Univ. of Minn., Minneapolis.

Enoch Walter Sikes, A. M., Wake Forest, 1891.—Prof. Polit. Sci. and Hist., Wake Forest, N. C.

William Bull Stoddard, S. B., Colo. Univ., 1894; Asst. Chem., Colo. Sch. of Mines, 1897-98.—Boulder, Colo.

Hugo Paul Thieme, A. B., 1893; Asst. Prof., Earlham, 1897-98; Lecturer, 1900-01.—Instr. French, Univ. of Mich.

George Washington Ward, A. B., Western Md., 1890.—Prof. Hist., etc., Western Md. Coll., Westminster.

Louis Napoleon Whealton, A. B., Western Md., 1892; LL. B., Univ. of Md., 1897.—Atty. at Law, N. Y.

Charles Francis Woods, Jr., A.[6] B., 1891; Prof., Woman's Coll., Richmond, 1897-99; Acting Prof., Swarthmore, 1899-1900, and Pa. Coll., 1900-02.—Acting Prof. German, Univ. of Colo., Boulder. (42)

1898

Cleveland Abbe, Jr., (F), A. B., Harvard, 1894; Prof. Nat. Sci., Western Md., 1898-99, Winthrop, 1899-1901. —U. S. Weather Bureau, Wash.

Howard Bell Arbuckle, A. B., Hampden-Sidney, 1889.—Sci. Instr., Decatur, Ga.

Arthur Henry Baxter, A. B., 1894.—Instr. French, Amherst.

Ernest Julius Becker, A. B., 1894; Prof., Woman's Coll., Richmond, 1899-1901.—Instr. Mod. Lang., Balt. City Coll.

Charles Hillman Brough, (F), Miss. Coll. (A. B., 1894, Prof., 1898-1901); LL. B., Univ. of Miss., 1902.—Prof. Philos., Hist., etc., Hillman Coll., Clinton, Miss.

Murray Peabody Brush, A. B., Princeton, 1894; Instr., Ohio State Univ., 1898-99.—Assoc. Romance Lang.

Killis Campbell, (F), A. B., William and Mary, 1894.—Instr. English, Univ. of Texas, Austin.

Charles Gilpin Cook, S. B., Haverford, 1892.—Science Instr., High School, Brooklyn.

Frederick Henry Duryea Crane, A. B., Union, 1893.— Analytical Chemist, N. Y.

Gilman Arthur Drew, (F), S. B., Iowa Univ., 1890; Bruce Fellow, 1898, Asst., 1898-1900.—Prof. Biol., Univ. of Me., Orono.

William Alexander Eckels, A. B., Dickinson, 1883; Prof. Ripon, 1891-93.—Prof. Greek, Miami Univ., Oxford, O.

John Eiesland, A. B., Univ. of S. Dak., 1892; Prof., Thiel Coll., 1898-1903.—Instr. Math., U. S. Naval Acad.

Charles Wilson Greene, (F), Stanford (A. B., 1892, Asst. Prof., 1898-1900).—Prof. Physiol., Univ. of Mo., Columbia.

James Graham Hardy, (F), A. B., Lafayette, 1894.—Asst. Prof. Math., Williams.

Lancelot Minor Harris, A. B., Wash. and Lee, 1888; Instr. and Asst. Prof., Indiana Univ., 1894-98.—Prof. English, Charleston Coll., S. C.

Caleb Notbohm Harrison, Univ. of Wis. (B. C. E., 1882, Acting Prof., 1899-1900).—Madison, Wis.

Charles Hoeing, (F), A. B., Ky. State Coll., 1890.—Instr. Latin, and Librarian, Univ. of Rochester, N. Y.

William App Jones, (F), A. B., Wake Forest, 1893.—Anal. Chemist, N. Y.

Percy Lewis Kaye, Iowa Univ. (A. B., 1895, Instr., 1898-1900); Instr., Coe Coll., 1900-01.—Instr. Hist., Balt. City Coll.

Samuel Shipman Kingsbury, A. B., Marietta, 1893.—Instr. Greek, Princeton Prep. School, N. J.

Guy Carleton Lee, (F), LL. B., Univ. of N. C., 1894; A. B. and LL. M., Dickinson, 1895.—Instr. History.

Arthur Gray Leonard, A. B., Oberlin, 1889; Acting Prof., Univ. of Mo., 1899-1900. — Asst. State Geologist, Des Moines, Iowa.

Charles Elwood Mendenhall, (F), S. B., Rose Polytech., 1894; Instr., Williams, 1898-1901.—Asst. Prof. Physics, Univ. of Wis., Madison.

Samuel Alfred Mitchell, (F), A. M., Queen's (Ont.), 1894; Fellow, Chicago, 1898-99.—Tutor, Astron., Columbia.

Cleophas Cisney O'Harra, A. B., Carthage, 1894.—Prof. Geol., S. Dak. Sch. of Mines, Rapid City.

Daniel Allen Penick, (F), A. B., Texas, 1891.—Instr. Latin and Greek, Univ. of Texas, Austin.

Thomas Dobbin Penniman, A. B., 1892.—Electr. Eng., Balt.

Charles William Peppler, (F), A. B., 1892.—Prof. Greek, Emory Coll., Oxford, Ga.

Ebenezer Emmet Reid, (F), A. M., Richmond, 1892; Prof., Charleston Coll., 1898-1901.—Prof. Chem., Baylor Univ., Waco, Texas.

*Edward Rhoads, S. B., Haverford, 1893; Instr. Physics, Worcester Polytech., 1898-1900, Haverford, 1900-03. **July* 4, 1903.

Garnett Ryland, A. M., Richmond, 1892; Instr. and Asst. Prof., Univ. of Me., 1898-1901.—Prof. Chem., Converse Coll., Spartanburg, S. C.

William Berney Saffold, (F), A. B., Ala., 1887.—Prof. Greek and Latin, Univ. of Ala.

Aristogeiton Marcus Soho, Prof., St. John's 1894-1902.—Prof. French and Latin, Balt. City Coll.; Lecturer, Modern Greek.

Charles William Waidner, (F), A. B., 1896, Asst., 1898-99; Instr., Williams, 1899-1901.—Physicist, Bureau of Standards, Wash.

Richard Henry Wilson, A. B., 1892, Instr., 1898-1899.— Prof. Romance Lang., Univ. of Va.

Albert Francis Zahm, A. M., Notre Dame, 1885.—Assoc. Prof. Mechanics, Catholic Univ., D. C. (36)

1899

Thomas Sewell Adams, (F), A. B., 1896.—Asst. Prof. Econ., Univ. of Wis., Madison.

John William Basore, (F), Hampden-Sidney (A. B., 1893, Prof., 1899-1900).—Instr. Latin, Univ. of Cal., Berkeley.

Edward William Berger, Baldwin Univ. (Ph. B., 1894, Prof., 1899-1901); Science Instr., Cleveland High School, 1901-02.—Berea, O.

William Noland Berkeley, S. B., St. John's 1896.—Chemist, San Juan, Porto Rico.

Pierce Butler, (F), A. B., Tulane, 1892; Instr., Univ. of Texas, 1900-02.—Prof. History, Tulane Univ., New Orleans.

Horace Greeley Byers, A. B. and S. B., Westminster (Pa.), 1895. — Prof. Chem., Univ. of Wash., Seattle.

Joseph Scudder Chamberlain, (F), S. B., Iowa Agric., 1890; Instr., Oberlin, 1899-1901.—Chemist, Dept. of Agric., Washington.

Francis Whittemore Cragin, S. B., Harvard, 1882.—Prof. Geol., Colorado Coll., Colo. Springs.

George Vail Edwards, A. B., Hamilton, 1891.—Prof. Latin, Olivet Coll., Mich.

James Rees Ewing, A. B., Ohio Wesleyan, 1890.—Washington, D. C.

Oliver Lanard Fassig, S. B., Ohio State, 1882.— Section Director, U. S. Weather Bureau, Balt.; Assoc. Meteorology.

George Stronach Fraps, (F), N. C. A. and M. Coll. (S. B., 1896, Instr., 1899-03.—Asst. Chemist, Experiment Sta., Texas.

Pierre Joseph Frein, (F), A. B., Williams, 1892; Instr. and Asst. Prof., Stanford, 1899-03.—Prof. of Romance Lang., Univ. of Wash., Seattle.

Leonidas Chalmers Glenn, (F), S. C. Coll. (A. B., 1891, Assoc. Prof. and Prof., 1899-1900).—Adj. Prof. Geol., Vanderbilt.

Caswell Grave, (F), S. B., Earlham, 1895; Bruce Fellow, 1900-01.—Assoc. Zoology.

Nathaniel Edward Griffin, A. B., 1894; Instr., Iowa Univ., 1899-1900; Prof., Wells Coll., 1900-03; Instr. English, Univ. of Vt., 1903-04.

Karl Josef Grimm. (F). Rayner Fellow, 1899-1901.—Prof. Modern Lang. and Hebrew, Ursinus Coll., Collegeville, Pa.

Hollister Adelbert Hamilton, (F), A. B., Rochester, 1892; Lecturer, Bryn Mawr, 1899-1900.—Prof. Greek, Elmira Coll., N. Y.

Willis Bolt Holmes, A. B., Harvard, 1896; Instr., Mass. Inst. Tech., 1899-1900.—Assoc. Chem., Univ. of Chicago.

George Oscar James, (F), A. B., 1895; Instr., Univ. of Utah, 1896-97; Lecturer and Assoc. Prof., Columbian, 1900-1902; Instr., Lehigh, 1902-03.—Instr. Math., Wash. Univ., St. Louis.

James William Kern, Univ. of Va., 1881.—Assoc. Prof. Latin, Wash. and Lee Univ., Lexington, Va.

George Philip Krapp, A. B., Wittenberg, 1894.—Tutor, English, Columbia.

William Kurrelmeyer, (F), A. B., 1896; Prof., Franklin and Marshall, 1899-1900.—Instr. German.

Alvin Fayette Lewis, A. B., Princeton, 1884; Prof. Hist., Univ. of Arkansas, 1899-1902.

Joseph Francis Merrill, (F), S. B., Mich., 1893.—Prof. Physics, Univ. of Utah, Salt Lake City.

Alfred William Milden, (F), A. B., Toronto, 1888.—Prof. Classics, Emory and Henry Coll., Emory, Va.

Walter Alexander Montgomery, A. B., 1892; Instr., Univ. of Ark., 1899-1900; Acting Prof., Miss. Univ., 1900-01.—Class. Master, Gram. Sch., Sewanee, Tenn.

Daniel Esten Motley, A. B., Milligan (Tenn.), 1894.—Washington, D. C.

Rokuro Nakaseko, Doshisha Univ., Tokyo, 1889; Yale (Fellow, 1899-1901, M. S., 1901).—Instr. Chem., Univ. of Kyoto.

William Albert Nitze, (F), A. B., 1894; Lecturer and Tutor, Columbia, 1899-1903.—Prof. Romance Lang., Amherst.

Frederick Albert Saunders, (F), A. B., Toronto, 1895; Instr., Haverford, 1899-1901.— Assoc. Prof. Physics, Syracuse Univ., N. Y.

Laurence Frederick Schmeckebier, (F), A. B., 1896.—U. S. Geol. Survey, Wash.

St. George Leakin Sioussat, A. B., 1896; Instr., Smith Coll., 1899-04.—Prof. Hist., Univ. of the South, Sewanee, Tenn.

Rev. Charles William Sommerville, A. B. and S. B., Hampden-Sidney, 1890; Lectr., 1900-1901.—Clergyman, Balt.

Mervin Tubman Sudler, S. B., Md. Agric., 1894; M. D., Coll. P. and S., Balt., 1901; Asst. and Instr., 1899-1902.—Instr. Anat., Med. Dept., Cornell Univ., N. Y.

*Morris Crater Sutphen, A. B., Princeton, 1890; Instr. Latin, 1899-1901. **August* 31, 1901.

William Taylor Thom, A. B., Wash. and Lee, 1869.—Washington, D. C.

Harold John Turner, A. B., 1892; Prof., Western Md., 1900-01.—Asst. Chem., Tufts Coll., Mass.

Campbell Easter Waters, A. B., 1895; Prof., Conn. Agric., 1900-01.—Asst. Chemistry.

Henry Skinner West, (F), A. B., 1803; Prof., Balt. City Coll., 1894-97 and 1900; Instr. English, 1899-1900. —Principal, Western High School, Balt.

Francis Daniel Wilson, S. B., Va. Polytech., 1894; Asst., Tufts, 1899-1900.—Instr. Chem., Va. Polytechnic, Blacksburg.

James Henry Curry Winston, A. B. and S. B., Hamp.-Sidney, 1894.—Adj. Prof. Phys. Science, Hampden-Sidney, Va. (42)

1900

Homer Van Valkenburg Black, A. B., Univ. of Ga., 1896.—Asst. Chem., Ga. School of Tech., Atlanta.

William Martin Blanchard, (F), A. B., Rand.-Macon, 1894; Instr.. Rose Polytech., 1900-01.—Prof. Chem., DePauw, Greencastle, Ind.

Hall Canter, A. B., Rand.-Macon, 1892. —Prof. Chem., Rand.-Macon, Ashland, Va.

Charles Edward Caspari, (F), A. B., 1896; Asst., Columbia, 1900-01.—Prof. Chem., St. Louis Coll. of Pharm.

Hardee Chambliss, Va. Mil. Inst., 1894; M. S., Vanderbilt, 1899.—Research Chemist, General Chem. Co., N. Y.

William Sidney Drewry, A. B., Va., 1893.—Instr. Hist., Mo. Univ., Columbia.

James Edwin Duerden, Assoc., Royal Coll. of Sci., London, 1889; Curator, Inst. of Jamaica, 1895-1901; Bruce Fellow, 1901-02; Acting Prof., Univ. of N. C., 1902-03.—Acting Prof. Zool., Univ. of Mich.

Luther Pfahler Eisenhart, (F), A. B., Pa. Coll., 1896. — Instr. Math., Princeton.

Herbert Baldwin Foster, (F), A. B., Harvard, 1895; Acting Prof., St. Stephen's, 1900-01. — Prof. Greek, Univ. of S. Dak., Vermillion.

William Linwood Foushee, (F), A. M., Wake Forest, 1894; Acting Prof., Mercer, 1900-01.—Prof. Latin, Richmond Coll.

Wightman Wells Garner, A. B., S. C. Coll., 1896.— Asst. Chem., Tufts Coll., Mass.

Clyde Chew Glascock, (F), Univ. of Va., 1892.—Instr. German, Yale.

Lawrence Edmonds Griffin, (F), A. B. and Ph. B., Hamline, 1895; Bruce Fellow, 1900; Instr., Adelbert, 1900-02.—Prof. Biol., Mo. Valley Coll., Marshall.

Rev. Adolph Guttmacher, A. B., Cincinnati, 1887.—Rabbi, Balt.

Sivert N. Hagen, (F), A. B., Luther, 1896.—Instr. English, Iowa Univ., Iowa City.

Joseph Cawdell Herrick, (F), A. B., Va., 1896.—Instr. Sciences, St. Joseph's Sem., Yonkers, N. Y.

David Wilbur Horn, A. B., Dickinson, 1897.—Assoc. Chem., Bryn Mawr.

William Bashford Huff, A. B., Wis., 1889; A. M., Chicago, 1896; Asst. and Instr., 1900-02.—Assoc. Physics, Bryn Mawr.

*Julian Huguenin, (F), A. B., Charleston, 1895; Acting Prof. English, Univ. of La., 1900-1901. **February* 19, 1901.

Walter Hullihen, (F), A. B., Va., 1896. —Classical Master, Univ. Sch., Balt.

Robert Edmund Humphreys, A. B., Emory and Henry, 1889.—Chemist, Standard Oil Co., Whiting, Ind.

Charles Ranald MacInnes, Queen's (A. M., 1896, Instr., 1900-02); Lecturer, Math., Manitoba Coll., 1902-03.—Director of Gymnasium.

William Starr Myers, A. B., N. C. Univ., 1897.—Hist. Master, Country School, Balt.

John Charles Olsen, (F), A. B., Knox, 1890.—Asst. Prof. Chem., Brooklyn Polytech.

Austin McDowell Patterson, A. B., Princeton, 1897; Instr., Centre Coll., 1900-01; Instr. Chem., Rose Polytech., 1901-03.—Springfield, Mass.

Louis Maxwell Potts, A. B., Wash. and Jeff., 1896.—Electrician, Balt.

George Lovic Pierce Radcliffe, A. B., 1897; Instr. Hist., Balt. City Coll., 1901-02.—Atty. at Law, Balt.

Albert Moore Reese, A. B., 1892; Prof., Allegheny, 1901-02.—Assoc. Prof. Histol., etc., Syracuse Univ., N. Y.

Herbert Meredith Reese, (F), A. B., 1897; Asst., Lick Observ., 1900-03.—Asst., Yerkes Observ., Williams Bay, Wis.

Rev. William Rosenau, A. B., Cincinnati, 1888.—Rabbi, Balt.; Assoc. Hebrew.

*Richard Burton Rowe, (F), Ph. B., Union, 1896; U. S. Geol. Survey, 1900-02. **May* 26, 1902.

James Eustace Shaw, (F), A. B., 1896.—Assoc. Italian.

Ernest Ashton Smith, A. B., Ohio Wesleyan, 1888.—Prof. Hist. and Econ., Allegheny Coll., Meadville, Pa.

Elisha Chisholm Walden, A. B., Ohio Wesleyan, 1892.—Webb City, Mo.

Charles Clinton Weaver, (F), A. B., Trinity, N. C., 1895; Pres., Rutherford Coll., 1900-03.—Prof. Hist., Davenport Coll., Lenoir, N. C. (35)

1901

Herbert Thompson Archibald, (F), A. B., Dalhousie, 1897.—Prof. Greek, Occidental Coll., Los Angeles, Cal.

George Ernest Barnett, (F), A. B., Rand.-Macon, 1891.—Instr. Polit. Econ.

Robert Montgomery Bird, A. B., Hampden-Sidney, 1897; Asst. Prof., Miss. Agric., 1901-02.—Acting Prof. Agric. Chem., Univ. of Mo., Columbia.

Jay Allan Bonsteel, S. B., Cornell, 1896.—Geologist, Dept. of Agric., Washington.

Lyman James Briggs, S. B., Mich. Agric., 1893; M. S., Mich. Univ., 1895.—Physicist, Dept. of Agric., Washington.

George Dobbin Brown, (F), A. B., 1895; Acting Prof., Univ. of Vt., 1901-02.—Instr. English, Balt.

Benjamin Palmer Caldwell, (F), Tulane (A. B., 1893, B. E., 1895, Ch. E., 1897).—Asst. Prof. Chem., Tulane, New Orleans.

Victor John Chambers, S. B., Rochester, 1895.—Tutor, Organ. Chem., Columbia.

William Chambers Coker, S. B., S. C. Coll., 1894.—Assoc. Prof. Botany, Univ. of N. C., Chapel Hill.

Winterton Conway Curtis, (F), A. B., Williams, 1897.—Instr. Zool., Univ. of Mo., Columbia.

Waverley Bayard Daniel, (F), A. M., Wake Forest, 1892.—Prof. Latin, Baylor Univ., Waco, Texas.

James McDowell Douglas, A. B., Davidson, 1893.—Instr. Chem., Davidson Coll., N. C.

Rev. Arthur Henry Ewing, (F), A. B., Wash. and Jeff., 1887; Western Theol. Sem. (Pa.), 1890.—Prof., Christian Coll., Allahabad, India.

James Marion Farr, A. B., Davidson, 1894.—Prof. English, Fla. Univ., Lake City.

Joseph Christie Whitney Fraser, (F), S. B., Ky. State, 1897; Asst. Chem., 1901-03.—Research Asst., Carnegie Inst.; Fellow by Courtesy.

Rev. Francis LeJau Frost, S. T. B., Gen. Theol. Sem. (N. Y.), 1897.—Clergyman, West New Brighton, N. Y.

Norman Everett Gilbert, (F), A. B., Wesleyan, 1895; Instr., Hobart, 1901-03.—Asst. Prof. Physics, Dartmouth, Hanover, N. H.

Roscoe Guernsey, (F), A. B., Union, 1896; Instr., 1901-03.—Tutor, Greek, Columbia.

Fred Cole Hicks, (F), Ph. B., Cornell Coll., 1896.—Instr. German, Monmouth Coll., Ill.

Gilbert Logan Houser, S. B., Iowa Univ., 1891.—Prof. Animal Morphol., etc., Iowa Univ., Iowa City.

Norton Adams Kent, A. B., Yale, 1895; Asst., Yerkes Observ., 1901-03.—Prof. Physics, Wabash, Crawfordsville, Ind.

George Curtis Martin, (F), S. B., Cornell, 1898.—Instr. Paleontology.

William Elejius Martin, (F), A. M., Southern Univ., 1898.—Prof. Hist., Emory and Henry Coll., Emory, Va.

Jens Anderson Ness, (F), A. B., Luther, 1884.—Baltimore.

Francis LeJau Parker, Jr., S. C. Mil. Acad., 1894; S. B., Chicago, 1900.—Prof. Chem., Charleston Coll., S. C.

Harold Pender, A. B., 1898; Instr. Physics, Syracuse Univ., 1902-03.—Electrician, Pittsburg.

Israel Euclid Rabinovitch, (F).—New York.

George Burr Richardson, (F), S. B., Harvard, 1895.—U. S. Geol. Survey, Wash.

Charles Carroll Schenck, A. B., 1893; Asst., Lehigh, 1901-02.—Instr. Physics, McGill Univ., Montreal.

Ward Weaver Simmons, S. B., Brooklyn Polytech., 1897.—Brooklyn, N. Y.

(30)

1902

Frank Ringgold Blake, (F), A. B., 1897.—Instr. Oriental Lang.

George Cator, A. B., 1901.—Baltimore.

Friend Ebenezer Clark, W. Va. Univ. (S. B., 1898, Instr., 1902-03).—Instr. Chem., Pa. State Coll.

Arthur Byron Coble, (F), A. B., Pa. Coll., 1897; Instr. Math., Mo. Univ., 1902-03.—Research Asst., Carnegie Inst.; Fellow by Courtsey.

Albert Eugene Curdy, (F), A. B., Kansas, 1885.—Instr. French, Yale.

Theodore Clinton Foote, A. B., Racine, 1880; S. T. B., Gen. Theol. Sem. (N. Y.), 1884; Rayner Fellow, 1901-03.—Instr., Bibl. Lit.

James Warner Harry, (F), A. B., Georgetown (Ky.), 1899.—Baltimore.

Herman Kurrelmeyer, (F), A. B., 1899.—Instr. Mod. Lang., Mass. Inst. Tech.

Charles Fowler Lindsay, (F), A. B., Dalhousie, 1899.—Research Chemist, Gen. Elec. Co., Schenectady.

Louis Wardlaw Miles, (F), A. B., 1894; M. D., Univ. of Md., 1897.—German Master, Country School, Balt.

Louis Alexander Parsons, (F), A. B., Iowa Univ., 1895; Asst., 1902-03.—Instr. Physics, Univ. of Utah, Salt Lake City.

Henry Farnham Perkins, A. B., Vermont, 1896.—Asst. Prof. Biol., Univ. of Vt., Burlington.

Charles Snavely, A. B., Otterbein, 1894.—Prof. Hist., Otterbein, Westerville, Ohio.

Percy Goldthwait Stiles, (F), S. B., Mass. Inst. Tech., 1897; Asst., 1900-02.—Instr. Physiol., N. Y. Univ.

William Stone Weedon, (F), S. B., Md. Agric., 1897.—Research Chemist, Gen. Elec. Co., Schenectady.

John Boswell Whitehead, Jr., Profic. in Elec., 1893, A. B., 1898.—Assoc. Electricity.

Kisaburo Yamaguchi, (F), Tokyo Coll. of Sci., 1891.—Chemist, Furukawa Central Office of Mines, Tokyo. (17)

1903

LeRoy Carr Barret, (F), A. B., Wash. and Lee, 1897.—Instr. Latin.

Elbert Jay Benton, (F), A. B., Campbell Univ., 1895.—Instr. Hist., Western Reserve Univ., Cleveland.

George Olaf Berg, (F), A. B., St. Olaf Coll., 1899.—Acting Prof. Greek, St. Olaf, Northfield, Minn.

Benjamin Franklin Carver, S. B., Pa. Coll., 1900.—Chemist, Standard Oil Co., Whiting, Ind.

Henry Augustus Converse, A. B., Hampden-Sidney, 1893.—Instr. Math.

Rev. John P. Coony.—Asst. Chem., St. Louis Univ., Mo.

Frank Liuley Critchlow, A. B., Princeton, 1896.—Instr. French, Princeton.

Charles Keyser Edwards, (F), A. B., 1897.—Prof. Physics, Christian Coll., Macao, China.

Philip Howard Edwards, (F), A. B., St. John's, 1898.—Classical Master, Friends' School, Balt.

Frederick Hutton Getman, (F).—Research Asst. Chem., Carnegie Inst.

William Elford Gould, A. B., Columbia, 1879.—Baltimore.

Philip Warner Harry, A. B., 1898.—Instr., Romance Lang., Univ. of Cincinnati.

Tukimasa Hattori, (F), Tokyo Coll. of Sci., 1898.

John Gale Hun, (F), A. B., Williams, 1899.—Instr. Math., Princeton.

Albert Johannsen, (F), S. B., Univ. of Utah, 1898.—U. S. Geol. Survey, Wash.

Thomas Madison Jones, A. B., Rand.-Macon, 1894.—Prof. Latin, Rand.-Macon, Ashland, Va.

George Wiles Middlekauff, A. B., Franklin and Marshall, 1891.—Physicist, Bureau of Standards, Wash.

Benjamin Leroy Miller, (F), A. B., Kansas Univ., 1897; A. M., Penn Coll.. 1898.— Assoc. Geol., Bryn Mawr, Pa.

Joseph Haines Moore, A. B., Wilmington (O.), 1897.—Asst., Lick Observatory, Cal.

Alfred James Morrison, (F), A. B., Hampden-Sidney, 1895. — Brooklyn, N. Y.

Roland Jessup Mulford, (F), Harvard (A. B., 1893, LL. B., 1896).—Head Master, Cheshire School, Conn.

John David Rodeffer, A. B., Roanoke, 1895.—Instr. Engl., Balt. City Coll., 1903-04.

Henry Nevill Sanders, (F), A. B., Trinity (Ont.), 1894; Lecturer, McGill, 1898-01.—Assoc. Prof. Greek, Bryn Mawr, Pa.

Charles Albert Savage, A. B., 1895.—Asst. Prof. Latin, Univ. of Minn., Minneapolis.

Atherton Seidell, Univ. of Ga. (B. Agr., 1898, S. B., 1899); M. S., Columbian, 1901.— Chemist, Bureau of Soils, Dept. of Agric., Wash.

Daniel Naylor Shoemaker, (F), S. B., Earlham, 1894, Asst., Zool., 1900-01. —Science Instr., Hartsville Seminary, S. C.

Arthur Whitmore Smith, (F), S. B., New Hampshire, 1893.—Asst. Physics, Univ. of Mich.

Doctors of Medicine

When the institution is not named, this university or the Johns Hopkins Hospital is to be understood. (F) indicates that the person has held a fellowship here. *—Died.

1897

Charles Russell Bardeen, A. B., Harvard, 1893.—Assoc. Prof. Anatomy.

Thomas Richardson Brown, A. B., 1892. —Physician, Balt.; Assoc. Prof., Coll. of P. and S.; Chief, Med. Clinic; Instr. Medicine.

*Walter S. Davis, S. B., Amherst, 1893. *September 27, 1898.

Louis Philip Hamburger, A. B., 1893.— Physician, Balt.; Clin. Asst.; Instr. Medicine.

Guy LeRoy Hunner, S. B., Wis., 1893.— Physician, Balt.; Assoc. Gynecology.

Irving Phillips Lyon, A. B., Yale, 1893. —Physician, Buffalo; Pathologist, Eye, Ear, and Throat Hosp.; Instr. Clin. Med., Univ. of Buffalo.

William George MacCallum, A. B., Toronto, 1894.—Res. Pathologist; Assoc. Prof. Pathol.

Charles Neil McBryde, S. B., Univ. of S. C., 1891; M. S., Va. Polytech., 1892. — Asst., Bacteriol., Dept. of Agric., Washington.

James Farnandis Mitchell, A. B., 1891, Instr., Surgery, 1900-02.—Physician, Washington; Prof. Surg. Pathol., Columbian.

Joseph Longworth Nichols, (F), A. B., Harvard, 1893.—Saranac Lake, N. Y.

Eugene Lindsay Opie, (F), A. B., 1893. —Assoc. Pathology.

Mary Secord Packard, A. B., Vassar, 1892.—Physician, Providence, R. I.

Omar Borton Pancoast, S. B., Swarthmore, 1893.—Physician, Balt.; Clin. Asst. Surgery.

Clement Andariese Penrose, A. B., 1893. —Physician, Balt.

Richard Pearson Strong, Ph. B., Yale, 1893.—Director, Biol. Lab., U. S. A., Manila. (15)

1898

William Stevenson Baer, A. B., 1894. —Physician, Balt.; Clin. Asst.; Instr. Orthopædic Surg.

William Jeptha Calvert, A. B., Ky. Univ., 1893.—Asst. Prof. Med., Univ. of Mo., Columbia.

Patrick Joseph Cassidy, A. B., Yale, 1894.—Physician, New London, Conn.

John Williams Coe, Ph. B., Yale, 1893. —Instr. Clin. Pathol., Cornell, N. Y.

Percy Millard Dawson, (F), A. B., 1894.—Assoc. Physiology.

Arthur Wells Elting, A. B., Yale, 1894. —Physician, Albany, N. Y.; Lecturer, Surg. Pathol., Albany Med. School.

William Weber Ford, A. B., Adelbert, 1893; Fellow, McGill, 1899-1901, and Rockefeller Inst., 1901-02.— Instr. Bacteriol.

Thomas Wood Hastings, A. B., 1894. —Physician, N. Y.; Instr. Clin. Pathol., Cornell.

Alfred Birch Herrick, A. B., Williams, 1894.—Res. Surgeon, Barnes Hosp., Wash.

James Hall Mason Knox, Jr., Yale (A. B., 1892, Ph. D., 1894); A. M., Lafayette, 1896.—Physician, Balt.; Clin. Asst.; Asst. Pediatrics.

Millard Langfeld, A. B., 1893.—Physician, Omaha; Prof. Bacteriol., etc., Creighton Med. Coll.

Gertrude Light, S. B., Wis., 1894.— Physician, N. Y.; Clin. Asst., Bellevue Hosp.

James Daniel Madison, S. B., Wis., 1894. — Physician, Milwaukee; Adjunct to Chair of Med., Wis. Coll. of P. and S.

Harry Taylor Marshall, (F), A. B., 1894.— Asst. Pathology and Instr. Med.

Roger Griswold Perkins, A. B., Union, 1893, and Harvard, 1894.— Asst. Pathol., and Lecturer, Bacteriol., Western Reserve Univ., Cleveland.

Katherine Porter, A. B., Bryn Mawr, 1894.—Physician, Orange, N. J.; Asst. Surg., N. Y. Infirmary for Women.

Joseph Hersey Pratt, Ph. B., Yale, 1894; A. M., Harvard, 1901.—Asst. Theory and Prac. of Physic, Harvard; vard; Physician, Boston.

Georgiana Sands, A. B., Vassar, 1893. —Physician, Port Chester, N. Y.

Benjamin Robinson Schenck, A. B., Williams, 1894; Instr. Gynecol., 1902-03.—Physician, Detroit.

Walter Ralph Steiner, A. B., Yale, 1892.—Physician, Hartford, Conn.; Pathologist and Bacteriologist, Hartford Hosp.

Emma Elizabeth Walker, A. B., Smith, 1887.—Physician, N. Y.; Clin. Asst., Hosp. for Ruptured and Crippled.

Andrew Henderson Whitridge, S. B., Harvard, 1894.— Physician, Balt.; Clin. Asst. Medicine. (22)

1899

Edward Erle Brownell, Ph. B., Yale, 1895.—Physician, San Francisco, Cal.

Humphrey Warren Buckler, A. B., 1895.—Physician, Balt.; Clin. Asst.; Asst. Obstetrics.

Rufus Ivory Cole, S. B., Mich., 1896. —Asst. Res. Physician; Instr. Medicine.

John Staige Davis, Ph. B., Yale, 1895. —Physician, Balt.; Clin. Asst. Surg.

Charles Phillips Emerson, A. B., Amherst, 1894.—Asst. Res. Physician, Clin. Lab.; Assoc. Medicine.

Blanch Nettleton Epler, S. B., Univ. of Cal., 1895.—Physician, Kalamazoo, Mich.

Joseph Erlanger, (F), S. B., Univ. of Cal., 1895.—Assoc. Physiology.

Philip Saffery Evans, Jr., A. B., Yale, 1895.— Med. Missionary, Yangchow, China.

Richard Holden Follis, Jr., Ph. B., Yale, 1895.—Res. Surgeon; Instr. Surgery.

Frank Taylor Fulton, S. B., Knox, 1894; A. B., 1895.—Pathologist and Director, Pathol. Lab., R. I. Hosp., Providence; Instr., Brown Univ.

*James Daton Gallagher, A. B., 1895. *April 1, 1901.

Henry Harris A. B., Stanford, 1895. —Physician, San Francisco; Asst. Med., Cooper Med. Coll.

Henry Joseph Hoye, A. B., Brown, 1895.—Physician, Providence.

Louis Williams Ladd, A. B., Yale, 1895.— Lecturer, Western Reserve Univ.

Charles Sumner Little, A. B., Wabash, 1894.—Demonstr. Pathol., Coll. of P. and S., and Physician, Indianapolis.

John Arthur Luetscher, S. B., Wis., 1895.—Physician, Balt.; Clin. Asst.

Frank Allemong Lupton, S. B., Ala. Polytech., 1891.—Physician, and Prof. Clin. Micros., Birmingham Med. Coll., Ala.

Frank Worthington Lynch, A. B., Adelbert, 1895; Assoc. Obstetrics, 1900-03.—Univ. of Chicago.

Chester Lea Magee, A. B., Stanford, 1895.—Physician, San Diego, Cal.

Hugh Miller Moore, S. B., Miami, 1895. —Physician, Oxford, O.; Med. Director, Miami Univ.

Charles Williams Ottley, A. B., Princeton, 1893.—Prof., Biol., Robert Coll., Constantinople, Turkey.

Paul Octavius Owsley, Ph. B., Yale, 1895.— Physician, Chicago; Instr., Northwestern Med. School.

Jacob Hall Pleasants, Jr., A. B., 1895. —Physician, Balt.; Assoc. Prof., Coll. of P. and S.; Clin. Asst.; Asst., Medicine.

Sylvan Rosenheim, A. B., 1895.—Physician, Balt.; Demonstr., Coll. of P. and S.; Clin. Asst.; Asst., Laryngology.

John Albertson Sampson, A. B., Williams, 1895.—Resident Gynecologist.

Halbert Severin Steensland, S. B., Wis., 1895.—Director, Pathol. Lab., Syracuse Univ., N. Y.

William Ridgely Stone, A. B., Princeton, 1895.—Asst. Obstetrician, Blackwell's Island Hosp.; Asst. Physician, Cornell Univ. Disp., N. Y.

Edgar Randolph Strobel, A. B., 1895.— Physician, Balt.; Clin. Prof., Balt. Med. Coll.; Clin. Asst.; Asst., Dermatology.

Frederick Herman Verhoeff, Ph. B., Yale, 1895; Harvard (A. M., 1902, Asst., 1901-02.)— Pathologist, Mass. Eye and Ear Infirmary, Boston.

William Whitridge Williams, A. B., 1895; Asst., Pathology, Harvard, 1901-03.—Mass. Gen. Hosp., Boston.

Sarah Delia Wyckoff, S. B., Wellesley, 1894.—Physician, Wilkesbarre, Pa.

John Lawrence Yates, Ph. B., Yale, 1894; S. B., Wis., 1895; Asst., 1901-02.—Physician, Chicago. (32)

1900

Joseph Akerman, A. B., Ga., 1894.—Supt., Walker Memorial Hosp., Wilmington, N. C.

Herbert Williams Allen, S. B., Univ. of Cal., 1896.—Physician, San Francisco.

Mabel Fletcher Austin, S. B., Minnesota, 1896.—Pathologist, N. E. Hosp., Boston.

Alma Emerson Beale, A. B., Wellesley, 1891.—Physician, Schaghticoke, N. Y.

*Milton Bettmann, A. B., Harvard, 1897. **May*, 1902.

Evelyn Briggs, A. B., Stanford, 1896.—Physician, Sacramento, Cal.

Lawrason Brown, A. B., 1895.—Physician, Saranac Lake, N. Y.

Herman Brüile, A. B. and S. B., Hampden-Sidney, 1895.—Clin. Asst.; Physician, Balt.

Curtis Field Burnam, A. B., Central (Ky.), 1895.—Asst. Res. Gynecologist.

Arthur Smith Chittenden, A. B., Yale, 1896.—Physician, N. Y.; Asst., Pathol., Columbia.

Henry Asbury Christian, A. B. and A. M., Rand.-Macon, 1895.—Instr., Pathol., Harvard.

William Remshart Dancy, S. B., Ga., 1896.—Physician, Savannah, Ga.

Frank Curtiss Davis, A. B., Amherst, 1895.—Physician, Rochester, Minn. (*Degree granted December* 4, 1899.)

Augustus Hartje Eggers, Ph. B., Yale, 1896.—Physician, Ambridge, Pa.

Henry Courtney Evans, A. B., Adelbert, 1896.—Interne, Western Pa. Hosp., Pittsburg.

Rose Fairbank, A. B., Smith, 1895.—Hosp. Physician, Jhansi, N. W. P., India.

Clarence B. Farrar, A. B., Harvard, 1896.—Asst. Physician, Sheppard Hosp.; Clin. Asst., Neurology.

Arthur Lawrence Fisher, S. B., Univ. of Cal., 1896.—Physician, San Francisco.

William Alexander Fisher, Jr., A. B., Princeton, 1896.—Clin. Asst.; Physician, Balt.

Howard Fletcher, A. B., Rand.-Macon, 1895.—Physician, Richmond, Va.

Joseph Marshall Flint, Chicago (S. B., 1895, Assoc., 1900-01).—Prof., Anatomy, Univ. of Cal., Berkeley.

William Patrick Healy, Ph. B., Yale, 1896.—Physician, N. Y.

*William Faithful Hendrickson, A. B., 1896; Asst. Demonstr., Pathol., Univ. of Pa., 1900-02. **August* 21, 1902.

Albion Walter Hewlett, S. B., Univ. of Cal., 1895.—Physician, San Francisco.

William Crissey Kellogg, A. B., Yale, 1896.—Physician, Augusta, Ga.; Asst. Pathol., Univ. of Ga.

Preston Kyes, A. B., Bowdoin, 1896.—Fellow, Rockefeller Inst.; Instr. Anat., Univ. of Chicago.

Leona Lebus, S. B., Wellesley, 1889.—Physician, Los Angeles, Cal.

Warren Harmon Lewis, S. B., Mich., 1896.—Assoc. Anatomy.

Harry Wilson Little, S. B., Wabash, 1896.—Physician, Evansville, Ind.

Ellen Louise Lowell, A. B., Stanford, 1896.—Physician, N. Y.

John Bruce MacCallum, A. B., Toronto, 1896; Asst., 1900-02.—Asst., Physiol., Univ. of Cal., Berkeley.

Mary Wilbur Marvell, S. B., Wellesley, 1894.—Physician, Fall River, Mass.

Clara Meltzer, A. B., Barnard, 1896.—Clin. Asst., Eye and Ear Infirmary, N. Y.

Clelia Duel Mosher, A. B., Stanford, 1893.—Physician, Palo Alto, Cal.

Hannah Glidden Myrick, A. B., Smith, 1896.—Physician, Dorchester, Mass.

*Edward Spiller Oliver, A. B., 1895. **March* 18, 1902.

Richard Foster Rand, Ph. B., Yale, 1895.—Physician, New Haven, Conn.

Dorothy M. Reed, (F), B. L., Smith, 1895.—Res. Phys., Babies' Hosp., N. Y.

Glanville Yeisley Rusk, A. B., 1896; Asst. Psychiatry, 1902-03.—Pathol. Inst., Ward's Island, N. Y.

Florence Rena Sabin, S. B., Smith, 1893.—Assoc. Anatomy.

William Francis Mattingly Sowers, A. B., Princeton, 1896.—Asst. Res. Surgeon.

Ellen Appleton Stone, A. B., Radcliffe, 1895; A. M., Brown, 1896.—Phys., Providence.

Mortimer Warren, A. B., Bowdoin, 1896.—Physician, N. Y.

Paul Gerhardt Woolley, S. B., Chicago, 1896; Fellow, McGill Univ., 1901-02.—Pathologist, Biol. Lab. U. S. A., Manila. (44)

1901

*Alexander Montague Atherton, A. B., Wesleyan, 1897. **August* 28, 1903.

Frederick Harry Baetjer, A. B., 1897.—Asst. Res. Surg.; Asst., Surgery.

William Dwight Baldwin, A. B., Yale, 1897.—House Phys., St. Luke's Hosp., N. Y.

John McWilliams Berry, S. B., Cornell, 1897.—Physician, Albany, N. Y.

Walter Herbert Blakeslee, A. B., Amherst, 1897.—Asst. Med. Examiner, Pa. R. R. (Relief Dept.), Phila.

Horace Dechamps Bloombergh, A. B., Lafayette, 1897.—First Lieut. and Asst. Surgeon, U. S. A., Manila.

Thomas Richmond Boggs, S. B., Ga., 1896.—Physician, Palm Beach, Fla.

John Robert Bosley, A. B., Western Md., 1896.—1st Lieut. and Asst. Surgeon U. S. A., Washington.

Charles Henry Bunting, S. B., Wis., 1896.—Asst. Pathol.; Asst. Res. Pathologist.

Joel Ives Butler, Ph. B., Yale, 1897.—House Officer, Mass. Gen. Hosp., Boston.

Harry Wardell Carey, A. B., Yale, 1897.—Instr. Pathol., Albany Med. School.

Eleanor Sarah Chace, S. B., Wellesley, 1894.—Physician, Fall River, Mass.

Robert Thornton Comer, A. B., Univ. of Ala., 1896.—Physician, Birmingham, Ala.

Guy Leartus Connor, A. B., Williams, 1897.—Physician, Detroit, Mich.

Ray Connor, A. B., Williams, 1897.—Physician, Detroit, Mich.

George Silas Drake, Jr., A. B., Yale, 1897.—Res. Phys., Union Prot. Infirmary, Balt.

Adelaide Dutcher, S. B., Wis., 1897.—Physician, Syracuse, N. Y.

Henry Atwood Fowler, S. B., Minnesota, 1895.—Physician, Washington.

Frederick Parker Gay, A. B., Harvard, 1897.—Fellow, Rockefeller Inst.; Asst. Demonstr., Pathol., Univ. of Pa.

Neil Duncan Graham, A. B., 1897.—Physician, Wash.; Asst., Obstetrics, Howard Univ.

Gardner Wells Hall, A. B., Harvard, 1898.—Physician, Boston.

Louis Virgil Hamman, A. B., Rock Hill, 1896.—Physician, Balt.; Clin. Asst.; Asst. Med.

Rolland Frederick Hastreiter, S. B., Wis., 1897.—Physician, Milwaukee.

Joseph Henry Hathaway, A. B., Iowa Coll., 1894, and Harvard, 1896.—Res. Phys., Hosp. for Women, Boston.

James Morley Hitsrot, A. B., Princeton, 1897.—House Surg., N. Y. Hosp.

Gerry Rounds Holden, A. B., Yale, 1897.—Asst. Res. Gynecologist.

Edward Hicks Hume, A. B., Yale, 1897; John W. Garrett Internal. Fellow, Liverpool, 1901-02.—Physician, Bombay, India.

William Bernard Johnston, A. B., Harvard, 1897.—Physician, Washington.

Harry M. Kauffman, A. B., 1897.—Physician, Washington.

Theodore Lamson, Ph. B., Yale, 1897.—1st Lieut. and Asst. Surg. U. S. A., Washington.

Dwight Milton Lewis, A. B., Yale, 1897.—Student, Berlin.

Warfield Theobald Longcope, A. B., 1897.—Director, Ayer Clin. Lab., Pa. Hosp., Philadelphia.

William Harvey Maddren, S. B., Brooklyn Polytech., 1896.—Physician, Brooklyn; Asst. Visiting Surgeon, King's Co. Hosp.

Elizabeth Sutton Moore, S. B., Wilson Coll. (Pa.), 1895.—Physician, Pittsburg.

Henry Pickering Parker, A. B., 1896.—Interne, Union Prot. Infirm., Balt.

Maurice J. Rubel, S. B., Chicago, 1897. —Physician, Chicago.

John Cleveland Salter, A. B., Yale, 1897. —House Phys., St. Luke's Hosp., N. Y.

Mabel Palmer Simis, S. B., Cornell, 1897.—Physician, Minneapolis. (Mrs. H. L. Ulrich.)

Josiah Morris Siemons, A. B., 1897.—Res. Obstetrician; Asst., Obstetrics.

Herbert Meloy Smith, A. B., Roanoke, 1892.—First Lieut. and Asst. Surg., U. S. A., Manila.

Charles Nelson Spratt, S. B., Minnesota, 1897.—House Surg., Mass. Eye and Ear Infirmary, Boston.

Albert Louis Steinfeld, A. B., 1897.—Lecturer, Histol. and Pathol., Toledo Med. Coll.; Physician, Toledo, O.

Carlotta Mary Swett, A. B., Wellesley, 1896.—Physician, Bangor, Me.

Henry Ludwig Ulrich, S. B., Rutgers, 1897; Prof., Univ. of Dallas, Texas, 1901-02. — Physician, Minneapolis; Asst. Clin. Micros., Univ. of Minn.; Pathologist, Swedish Hosp.

Albert James Underhill, A. B., 1897. — Physician, Balt.; Clin. Asst., Medicine.

Marian Bartholow Walker, A. B., Radcliffe, 1898. — Physician. Hartford, Conn. (Mrs. Marian W. Williams.)

Louis Marshall Warfield, A. B., 1897. —.Physician, Savannah, Ga.

George William Warren, A. B., 1897. —Physician, New York.

Stephen Hurt Watts, A. M., Rand.-Macon, 1896.—Asst. Res. Surgeon.

Ernest Alden Wells, A. B., Yale, 1897. Physician, Hartford, Conn.

Mabel Wells, A. B., Wellesley, 1896.—Physician, Monticello, Ark.

John Montgomery West, A. B., 1896. —Student, Vienna.

Charles Knickerbacker Winne, Jr., A. B., 1897.— Asst., Bender Hygienic Lab., Albany, N. Y. (53)

1902

John Auer, S. B., Mich., 1898.—Fellow, Rockefeller Inst.; Physician, N. Y.

John Bradford Briggs, Jr., S. B., N. Y. Univ., 1898; Asst. Med., 1903.

Bennet Bernard Browne, A. B., 1898. —Physician, Balt.; Clin. Asst.; Asst., Eye, Ear, and Throat Hosp.

Robert Martin Bruns, A. B., Va., 1896. —Physician, Balt.

William Morgan Case Bryan, A. B., Wash. Univ., 1897; M. S., Mich., 1898.— Res. Phys., German Hosp., Philadelphia.

Camillus Bush, S. B., Univ. of Cal., 1898.—Asst. Res. Surgeon.

John Woolman Churchman, A. B., Princeton, 1898.—Physician, Balt.

Thomas Wood Clarke, A. B., Harvard, 1899.—Res. Phys., Lakeside Hosp., Cleveland.

Henry Wireman Cook, A. B., 1898.—Physician, Richmond, Va.

John Jacob Jones Coons, S. B., Ohio Wesleyan, 1898.— Asst. Res. Surg., Kensington Hosp., Philadelphia.

Gustavus Charles Dohme, A. B., 1898. —Physician, Balt.

David Hough Dolley, A. B., Rand.-Macon, 1897.— Resident Pathologist, Lakeside Hospital, Cleveland; Asst. Demonstr., Pathol. Western Reserve Univ.

Ralph Duffy, A. B., 1898.—Pathologist, West. Pa. Hosp., Pittsburg.

John Dunlop, S. B., Princeton, 1898. —Interne, Orthopedic Hosp., Boston.

William Gage Erving, A. B., Yale, 1898. —Physician, Boston.

Newell Simmons Ferry, Ph. B., Yale, 1898.—Physician, Memphis, Tenn.

Nellis Barnes Foster, S. B., Amherst, 1898.—Asst. Res. Phys., N. Y. Hosp.

William Willoughby Francis, A. B., 1898.—Res. Phys., Royal Victoria Hosp., Montreal.

Maurice Albert Frankenthal, A. B., Wash. Univ., 1898.— Res. Phys., Jewish Hosp., St. Louis.

W. Harry Glenny, Ph. B., Yale, 1894. —Physician, Buffalo.

Clarence Foster Hardy, B. L., Wis., 1891.—Physician, Milwaukee.

Morrison LeRoy Haviland, Ph. B., Union, 1898. — Physician, Glen's Falls, N. Y.

Mabel Stevens Haynes, A. B., Bryn Mawr, 1898.—Physician, Boston.

Leonard Keene Hirshberg, A. B., 1898. —Physician, Balt.; Assoc., Neurol., Coll. of P. and S.; Chief. of Nerv. Clinic, City Hosp.

Carl Herman Horst, A. B., Stanford, 1898.—Physician, Butte, Mont.

Solomon Hyman, S. B., Univ. of Cal., 1898.—Junior House Surg., Mt. Sinai Hosp., N. Y.

William Frederick Jelke, Ph. B., Yale, 1898.—Physician, Cincinnati.

Thomas Monroe Jones, A. B., Indiana, 1898.— Interne, King's Co. Hosp., Brooklyn.

Alfred Karsted, A. B., Stanford, 1898. —House Phys., German Hosp,, N. Y.

Arthur Herbert Kimball, S. B., Amherst, 1897.—Physician, Washington.

Louis Charles Lehr, A. B., 1898.— Physician, Balt.; Clin. Asst. Surg.

Edward McCrady L'Engle, A. B., St. John's, 1897.

George Victor Litchfield, Jr., A. M., Rand.-Macon, 1897.— Surgeon, St. Paul, Va.

Emma Loots, A. B., Smith, 1897.— Physician, Boston.

Seymour DeWitt Ludlum, S. B., Rutgers, 1897.— Asst. Res. Physician, Friends' Asylum, Frankford, Pa.

Annie Galloway Lyle, A. B., Stanford, 1895.—Physician, San Francisco.

George Malcolm McGregor, S. B., Wis., 1894.—Physician, Mondovi, Wis.

Samuel Andrew Marshall, A. B., Yale, 1898.—House Surg., House of Relief, N. Y. Hosp.

John Scott McFarland, Ph. B., Yale, 1898.—Europe.

Edmund Webster Meisenhelder, A. B., Pa. Coll., 1898.— Interne, Barnes Hospital, Washington.

John Elmer Meisenhelder, S. B., Pa. Coll., 1897.—Junior Res. Surg., Taylor Hosp., Scranton, Pa.

*Henry William Ochsner, S. B., Wis., 1898. **November* 25, 1902.

Edward Hiram Reede, A. B., Cornell, 1898.—Res. Surg., St. Luke's Hosp., N. Y.

Edwin Nicholas Riggins, A. B., Williams, 1897.— Interne, Hudson St. Hosp., N. Y.

Carey Pegram Rogers, A. B., Wake Forest, 1897.— Physician, Jacksonville, Fla.

Stephen Rushmore, A. B., Amherst, 1897.— Interne, Hudson St. Hosp., New York.

George Barr Scholl, A. B., 1898.— Physician, Balt.; Assoc. Prof., Pathol. etc., Md. Med. Coll.

Melville Silverberg, A. B., Univ. of Cal., 1897.—House Officer, City Hosp., Boston.

John Nathan Simpson, A. B., Univ. of Nashville, 1893. — Assoc. Prof. Physiol., West Va. Univ., Morgangantown.

Harry Merriman Steele, Ph. B., Yale, 1894.—Asst. Clin. Micros., Yale.

Alice Weld Tallant, A. B., Smith, 1897.—Physician, Boston.

Condit Brewer Van Arsdall, A. B., Ky. Wesleyan, 1894.— Physician, Harrodsburg, Ky.

John Van Denburgh, Stanford (A. B., 1894, Ph. D., 1897).—Physician, San Francisco.

Otis Buckminster Wight, A. B., Stanford, 1898.—Physician, Portland, Ore.

Clara Louise Williams, S. B., Univ. of Cal., 1897.—Physician, Berkeley, Cal.

Dudley Williams, A. B., 1897.—Student of Pathol., Harvard.

Charles Benjamin Wright, A. B., Univ. of N. Dak., 1898.—Physician, Minneapolis. (57)

1903

Victor Hugo Bassett, A. B., Knox, 1896. —Instr., Bacteriol., etc., Northwestern Univ., Ill.

Lewis Clyde Bixler, A B., Lafayette, 1899.—House Officer.

Elisabeth Hedges Blauvelt, A. B., Bryn Mawr, 1896.—Interne, Infirmary for Women and Children, N. Y.

Clinton Ethelbert Brush, Jr., S. B., New York Univ., 1899.—House Officer.

Joseph Albert Chatard, A. B., Loyola, 1898.—Asst. Res. Phys., St. Joseph's Hosp., Balt.

George Edward Chinn, Jr., S. B., Central (Mo.), 1899.—Clin. Asst., Sheppard Hosp., Towson, Md.

Alfred Hull Clark, A. B., Cornell, 1899. —Interne, Hartford Hosp., Conn.

William Burgess, Cornell, A. B., Chicago, 1899.—Clin. Asst., Sheppard Hospital, Towson, Md.

Emma Grace Dewey, Wellesley (S. B., 1885, A. M., 1894). — Physician, Jacksonville, Ill.

Harlan Dudley, Ph. B., Oberlin, 1897.—Physician, Canton, O.

Dana Lee Eddy, A. B., Yale, 1898.—Physician, Leavenworth, Kan.

Roades Fayerweather, A. B., Harvard, 1899.— Orthopedic House Surgeon, Carney Hosp., Boston.

John Somerville Fischer, A. B., 1898.—Asst. Res. Phys., St. Joseph's Hosp., Baltimore.

Frederick Julius Gaenslen, S. B., Wisconsin, 1899.—Interne, German Hospital, N. Y.

Lewis McFarland Gaines, A. B., and S. B., Hampden-Sidney, 1898.—First Asst. Surg., R. I. Hosp., Providence.

John Timothy Geraghty, A. B., St. Thomas Coll., 1895; Ph. B., St. Paul Sem., 1897.—House Officer.

Francis Colquhoun Goldsborough, S. B., Princeton, 1899.—House Officer.

Justin Frank Grant, Ph. B., Yale, 1898.—Instr. Anat., West Va. Univ., Morgantown.

Louis Wardlaw Haskell, Jr., A. B., 1899.—Surgical Externe.

Arthur Douglass Hirschfelder, S. B., California, 1897.—House Officer.

Ross Hopkins, A. B., Kansas Univ., 1899.—Physician, St. Louis.

Henry Talbot Hutchins, A. B., Amherst, 1899.—House Officer.

Clement Levi Jones, S. B., Wash. and Jefferson, 1899.— Physician, Jamestown, O.

Louise Tayler Jones, A. B., Wellesley, 1896; M. S., Columbian, 1898.—Physician, Washington.

Albert Keidel, A. B., 1900.—Physician, Catonsville, Md.

Maurice Lasenby, A. B., Johns Hopkins, 1900.—Interne, Church Home, Balt.

Arthur Solomon Loevenhart, S. B., Ky. State, 1898.—Asst. Physiol. Chem.

Henry D. Long, A. B., Wash. and Jefferson, 1894.—House Officer.

Margaret Long, A. B., Smith, 1895.—Interne, Infirmary for Women and Children, N. Y.

Edward Janney Sidwell Lupton, S. B., Columbian, 1899.— First Asst. Res. Phys., Columbia Hosp., Wash.

Leo Augustine Lynch, A. B., Yale, 1899.—Asst. House Surg., Lying-in Hosp., N. Y.

William Sanders Manning, S. B., Columbian, 1899.—Clin. Asst., Emergency Hosp., Wash.

Watson Marshall, A. B., Princeton, 1899.—Physician, Pittsburg.

Robert Talbott Miller, Jr., A. B., Amherst, 1899.—House Officer.

Mary Elisabeth Morse, A. B., Woman's Coll. (Balt.), 1899.— House Officer, New England Hosp., Boston.

Willis Bean Moulton, A. B., Bowdoin, 1899.—House Officer.

Harry Benjamin Neagle, A. B., Bowdoin, 1899.—Res. Phys., Loomis Sanitarium, Liberty, N. Y.

Selden Irwin Rainforth, S. B., Cincinnati, 1899. — Surg. Interne, Presb. Hosp., N. Y.

Theodore Foster Riggs, A. B., Beloit, 1898.—House Officer.

Benjamin Franklin Riley, Jr., S. B., Univ. of Ga., 1898.—Physician, Atlanta.

George Canby Robinson, A. B., 1899.—Asst. Pathologist, Pa. Hosp., Phila.

Marvin Pierce Rucker, A. M., Randolph-Macon, 1899. — Demonstr. Physiol., Med. Coll. of Va., Richmond.

Ferdinand Schmitter, A. B., Union, 1899.—Instr. Anat., Univ. of Wis., Madison.

Oscar Theodore Schultz, A. B., Indiana, 1897. — Pathologist, Charity Hosp., Cleveland.

Winford Henry Smith, A. B., Bowdoin, 1899.—Interne, Lakeside Hosp., Cleveland.

Alexander Raymond Stevens, A. B., 1896.—House Officer.

Catherine Hutchinson Travis, A. B., McGill, 1895.—House Officer, New England Hosp., Boston.

Frank Hosford Watson, S. B., Wisconsin, 1899.—House Officer.

Charles Whittier Young, S. B., Illinois, 1897.—House Officer. (49)

Bachelors of Arts

When the institution is not named, this university or the Johns Hopkins Hospital is to be understood. (F) indicates that the person has held a fellowship here. *—Died.

1879

George Washington McCreary.— Asst. Sec. and Librarian, Md. Hist. Soc., Baltimore.

Chase Palmer, (F), Ph. D., 1882; Asst., Mass. Inst. Tech., 1882-3, Tufts Coll., 1887-8; Prof., Mass. Norm. School, Salem, 1883-7, Wabash Coll., 1888-90, Manual Train. School, Louisville, 1895-1901.—Prof. Chem., Central Univ., Danville, Ky.

Edward Henry Spieker, (F), Ph. D., 1882.—Assoc. Prof. Greek and Latin. (3)

1880

Rev. Thomas Milton Beadenkopf, B. D., Yale, 1885.—Clergyman, Balt.

Allen Kerr Bond, M. D., Univ. of Md., 1882.—Physician, Balt.

William Cathcart Day, (F), Ph. D., 1883; Prof. Chem., St. John's, 1883-84, Univ. of Nashville, 1884-87, Swarthmore, 1887-1901.—Swarthmore, Pa.

Henry Laurence Gantt, M. E., Stevens Inst., 1884.—Mechan. Eng., Schenectady, N. Y.

Edgar Goodman, LL. B., Univ. of Md., 1881.—Editor, *The Baltimore American.*

Rev. Carl Eckhardt Grammer, Va. Theol. Sem., 1884; S. T. D., Trinity (Conn.), 1895; Prof., Va. Theol. Sem., 1887-97.—Clergyman, Norfolk, Va.

Alexander Fridge Jamieson.— Latin Master, Lawrenceville School, N. J.

*Edmund Allen Jarvis. **October* 15, 1880.

Stewart Brian Linthicum, LL. B., Univ. of Md., 1882.—Atty. at Law, Portland, Ore.

John Hanson Lowe, LL. B., Univ. of Md., 1882.—Atty. at Law, Balt.

Rev. Leigh Clinton Morgan.—Clergyman, N. Y.

*Nelson Palmer. **June* 12, 1886.

Thomas Pettigrew.—Civil Engr., Clarksburg, W. Va.

Harry Fielding Reid, (F), Ph. D., 1885; Prof., Case School, 1886-94; Assoc. Prof., Chicago, 1895-97.—Prof. Geol. Physics.

*Rev. Wilts Raymond Stricklen. **December* 19, 1900.

Lewis Webb Wilhelm, (F), Ph. D., 1884.—Vice-Prin., College Prep. Sch., Baltimore. (16)

1881

William Wilson Baden, (F), LL. B., Univ. of Md., 1883; Ph. D., 1892; Prof. Southwestern Univ., 1892-93, Central (Ky.), 1893-96.—Prof. Latin, Idaho Univ., Moscow.

Henry Johns Bowdoin, LL. B., Univ. of Md., 1883.—Baltimore.

John Wilson Brown.—Philadelphia, Pa.

David Talbot Day, (F), Ph. D., 1884. —U. S. Geol. Survey, Washington.

William Henry Howell, (F), Ph. D., 1884; Mich. (Hon. M. D., 1890, Lecturer and Prof., 1889-92); LL. D., Trinity, 1901; Assoc. Prof., Harvard, 1892-93.—Prof. Physiol. and Dean, Med. Faculty; Assoc. Ed. *Journal of Experimental Medicine.*

John Hemsley Johnson, LL. B., Univ. of Md., 1887.—Atty. at Law, Balt.

*James Edward Keeler, D. Sc., Univ. of Cal., 1893; Fellow, Royal Astron. Soc. of London; Allegheny Observ., 1882-86; Lick Observ., 1886-91; Rumford Medalist, Amer. Acad. Arts and Sci., 1898; Prof., Western Univ. of Pa., and Director, Allegheny Observ., 1891-98; Director, Lick Observ., 1898-1900. **August* 12, 1900.

Rev. Edwin George Richardson.—Clergyman, Milwaukee, Wis.

Adoniram Judson Robinson, LL. B., Univ. of Md., 1885; Instr., Balt. City Coll., 1881-87.—Atty. at Law, Balt.

*Henry Bolando, M. D., Univ. of Md., 1883. **October* 4, 1888.

Lee Sale, LL. B., Wash. Univ., 1885; Instr., Louisville High School, 1881-83.—Atty. at Law, St. Louis; Lecturer, Wash. Univ.

Mactier Warfield, M. D., Univ. of Md., 1884.—Physician, Balt.; Instr. Laryngology. (12)

1882

William Hughlett Adkins, LL. B., Univ. of Md., 1883.—Atty. at Law, Easton, Md.

Thomas Alexis Berry.—Baltimore.

Gustav Bissing, (F), Ph. D., 1885; Examiner, U. S. Patent Office, 1884-98.—Patent Atty., Washington.

Walter Bernard Clarkson, Lecturer and Asst. Prof. Law, Yale, 1901-03.—Atty. at Law, Jacksonville, Fla.

Herman Louis Ebeling, (F), Ph. D., 1891; Prof., Miami Univ., 1891-99; Instr. and Acting Prof., Haverford, 1901-03.—Asst. Prof. Greek, Hamilton Coll., Clinton, N. Y.

Louis Garthe.—Journalist, Wash.

Edward Ingle.—Editor, Balt.

Richard Fuller Kimball, LL. B., Univ. of Md., 1884.—Atty. at Law, Balt.; Asst. State's Atty.

*Gustav Adolph Liebig, Jr., (F), Ph. D., 1885, Asst., 1887-90. **February* 10, 1897.

Charles William Emil Miller, (F), Ph. D., 1886.—Assoc. Prof. Greek.

James Page.—U. S. Hydrographic Office, Washington.

Albert Gallatin Palmer, (F), Ph. D., 1885; Asst. and Asst. Prof. Chem., Swarthmore, 1885-87.—Norwood, Md.

Robert Miller Reese.—Baltimore.

*Louis Tebbetts Stevens, (F), M. D., Harvard, 1887; late Lecturer, Wash. Univ. **February* 9, 1898.

Herbert Thorndyke Tiffany, LL. B., Univ. of Md., 1885.—Atty. at Law, Balt. (15)

1883

William Shirley Bayley, (F), Ph. D., 1886; Prof. Mineral. and Geol., Colby, 1888-1904.—U. S. Geol. Survey.

Maurice Fels, LL. B., Univ. of Pa., 1886.—Atty. at Law, Philadelphia.

David Sterrett Gittings.—Baltimore.

William Beatty Harlan, LL. B., Univ. of Md., 1885; A. M., St. John's, 1888.—Atty. at Law, Churchville, Md.

George Theophilus Kemp, (F), Ph. D., 1886; M. D., L. I. Med. Coll., 1891; Demonstr., Univ. of Pa., 1886-87; Assoc. and Assoc. Director, Hoagland Lab., 1888-93.—Prof. Physiol., Univ. of Ill., Champaign.

Gonzales Lodge, (F), Ph. D., 1886; LL. D., Franklin and Marshall, 1901; Prof. Davidson, 1886-88, Bryn Mawr, 1889-1900.—Prof. Greek and Latin, Teachers Coll., N. Y.

William Edgar Stratton, M. D., Harvard, 1886.—Physician, Brooklyn.

Henry Winslow Williams, LL. B., Univ. of Md., 1885.—Atty. at Law, Balt.

Henry Van Peters Wilson, (F), Ph. D., 1888; Bruce Fellow, 1888-89.—Prof. Biol., Univ. of N. C., Chapel Hill.

William John Witsenbacher.—Atty. at Law, Hagerstown, Md. (10)

1884

Rev. Albert Clayton Applegarth, Ph. D., 1887.—Clergyman, Huntingdon, Pa.

Charles Walter Arts, LL. B., Columbia, 1886.—Atty. at Law, N. Y.

Walter Bliss Canfield.—Chemist, Pittsburg.

George Gibson Carey, LL. B., Univ. of Md., 1886.—Atty. at Law, Balt.

William Kennedy Cromwell.—Baltimore.

Charles William Remsberg Crum, M. D., Univ. of Md., 1888; Instr., Mercersburg, 1884-86, 1889-90; Prof. Math., Ursinus, 1892-95.—Physician, Jefferson, Md.

Harry Friedenwald, M. D., Phys. and Surg. (Balt.), 1886. — Physician, Balt.; Prof. Ophthalmol., etc., Coll. of P. and S.

Rev. William Lindsay Glenn, LL. B., Univ. of Md., 1888.—Clergyman, Belair, Md.

John Hinkley, LL. B., Univ. of Md., 1886.—Atty. at Law, Balt.

Charles Morris Howard, LL. B., Univ. of Md., 1888.—Atty. at Law, Balt.

*John Deering Lord, Jr., LL. B., Columbia, 1886. **January* 27, 1902.

Jere Williams Lord, M. D., Univ. of Pa., 1887.—Physician, Balt.; Clin. Prof., Dermatol.; Assoc. Prof. Anat., Balt. Med. Coll.

William Patrick Lyons, LL. B., Univ. of Md., 1886.—Atty. at Law, Balt.

Edgar George Miller, Jr., LL. B., Univ. of Md., 1886.—Atty. at Law, Balt.

William Ridgely Orndorff, (F), Ph. D., 1887.—Prof. Organ. Chem., Cornell.

George Dobbin Penniman, LL. B., Univ. of Md., 1886.—Atty. at Law, Balt.; Prof., Balt. Univ. Law School.

William Henry Perkins, Jr., LL. B., Univ. of Md., 1888.—Atty. at Law, Balt.

*George Clement Stokes, Jr., LL. B., Univ. of Md., 1888. **January* 21, 1897.

*William John Thomas, Prof. Math., Western Md. Coll., 1884-85. **March* 9, 1885.

*William Ferdinand Walz. **March* 21, 1887.

Frederick Henry Wilkens, Ph. D., Leipsic, 1891; Asst. Prof., Univ. of Wis., 1893-96.—Asst. Prof. Mod. Lang., Union Univ., Schenectady, N. Y.

George Wishart Edmond (*extra ordinem*), Asst. Chem., 1889-90.—Santa Monica, Cal.

Charles Howard Shinn (*extra ordinem*).—Inspector of Agric. Exper. Stations, Univ. of Cal., Berkeley. (23)

1885

John Pendleton Campbell, (F), Ph. D., 1888.—Prof. Biol., Univ. of Ga., Athens.

John Glenn, Jr., LL. B., Univ. of Md., 1887.—Atty. at Law, Balt.

Rt. Rev. Junius Moore Horner, S. T. B., Gen. Theol. Sem., N. Y., 1890; late Classical Instr., Oxford, N. C.—P. E. Missionary Bishop of Asheville, N. C.

James Albert Loane.—Baltimore.

Harry Wilbur Price, LL. B., Columbian, 1887.—Atty. at Law, Chicago.

Benjamin Titus Roberts, Jr.

Moses Roth Ryttenberg, LL. B., Univ. of Md., 1888.—Atty. at Law, N. Y.

Hugo Steiner, LL. B., Univ. of Md., 1887.—Atty at Law, Balt.

Henry Hazlehurst Wiegand, Proficient in Elec., 1889.—Elec. Engineer, Balt. (9)

1886

Joseph Sweetman Ames, (F), Ph. D., 1890.—Prof. Physics.

Wilson Lloyd Bevan, S. T. B., Gen. Theol. Sem. (N. Y.), 1889; A. M. and Fellow, Columbia, 1889; Ph. D., Munich, 1893.—Prof. Hist., Univ. of the South, Sewanee, Tenn.

Thomas Hepburn Buckler, M. D., Univ. of Md., 1888.—Physician, Balt.

Alfred Robert Louis Dohme, Ph. D., 1889.—Chemist, Balt.; Instr. Pharmacy.

Albert Alvin Doub.—Atty. at Law, Cumberland.

William Snyder Eichelberger, (F), Ph. D., 1891.; Instr., Wesleyan, 1891-96.—Prof. Math., U. S. Navy, Wash.

Harry English.—Instr., High School, Washington.

Abraham Flexner.—Principal, Flexner's School, Louisville, Ky.

William Edward Gates.—Cleveland, O.

*William Curns Lawrence Gorton, (F), Ph. D., 1889; Assoc. Prof. and Prof. Math., Woman's Coll. (Balt.), 1888-94. **November* 8, 1894.

Joseph Edward Harry, (F), Ph. D., 1889, Prof., Georgetown (Ky.), 1889-1900.—Prof. Greek, Univ. of Cincinnati.

Benjamin Henry Hartogensis.—Atty. at Law, Balt.

James Shaler Hodges, Profic. in Elec., 1890.—Elec. Engineer, Balt.

Theodore Hough, (F), Ph. D., 1893; Instr. and Asst. Prof., Mass. Inst. Tech., 1893-1903. — Assoc. Prof., Biol., Simmons Coll., Boston.

Percy Meredith Hughes.—Director of High Schools, Wash.

*John Henry Laessig, Jr. **December* 28, 1903.

Allan McLane, Jr., LL. B., Univ. of Md., 1888.—Atty. at Law, Balt.

John Hanson Thomas McPherson, (F), Ph. D., 1890; Instr., Univ. of Mich., 1890-91.—Prof. Hist., Univ. of Ga., Athens.

Colyer Meriwether, Ph. D., 1893.—Instr. English, etc., High School, Washington.

John Pleasants.—Baltimore.

Richard Hall Pleasants, Jr., LL. B., Univ. of Md., 1889.—Atty. at Law, Baltimore.

*William Flood Smith, Phys. and Surg., Balt. (M. D., 1889, and late Assoc. Prof. Surg. Anat.). **April* 14, 1908.

Michael Daniel Stein.—Supt. of Street Railways, San Francisco.

Bernard Wiesenfeld, LL. B., Univ. of Md., 1889.—Atty. at Law, Balt.

John Whitridge Williams, M. D., Univ. of Md., 1888.—Physician, Balt.; Obstetrician in Chief; Prof. Obstetrics.

Langdon Williams.—Teacher, Philadelphia.

*William Klapp Williams, Ph. D., 1889. **June* 4, 1897.

John Randolph Winslow, M. D., Univ. of Md., 1888.—Physician, Balt.

*Allan Chase Woods. **September* 9, 1886.

Frederick George Young, Vice-Pres., S. Dak. Normal School, 1888-91.—Prof. Econ., etc., Univ. of Oregon, Eugene.

*Thomas McCabe (*extra ordinem*), (F), Ph. D., 1888; Instr., Univ. of Mich., 1888-89; Prof., Ind. Univ., 1889-90; Assoc. French, Bryn Mawr, 1890-91. **February* 22, 1891. (31)

1887

Rev. Edward Carey Applegarth, (F), Ph. D., 1890; M. D., Phys. and Surg., Balt., 1892.—Clergyman, Boston.

Richard Howard Bayard, LL. B., Univ. of Md., 1889.—Atty. at Law, Balt.

Herbert Maxwell Brune, LL. B., Univ. of Md., 1889.—Atty. at Law, Balt.

Charles Edward Coates, Jr., Ph. D., 1891; Prof., St. John's, 1891-93.—Prof. Chem., La. State Univ., Baton Rouge.

Rev. William Roswell Cole, B. D., Harvard, 1890.—Clergyman, Cohasset, Mass.

Paul Joseph Dashiell, Ph. D., 1891; Instr., Lehigh, 1889-90, 1891-92.—Prof. Chem., U. S. Naval Acad.

George Peter Dreyer, (F), Ph. D., 1890, Demonstr., Assoc., Assoc. Prof., 1890-1900.—Prof. Physiol., Med. Dept., Univ. of Ill., Chicago.

Edward Duffy, Jr., LL. B., Univ. of Md., 1889.—Atty. at Law, Balt.

James Clark Fifield.—Atty. at Law, Minneapolis.

Julius Friedenwald, M. D., Phys. and Surg., Balt., 1890; A. M., Loyola, 1898.—Physician, Balt.; Assoc. Prof. Pathol., Coll. of P. and S.

Douglas Huntly Gordon, LL. B., Univ. of Md., 1889.—Pres., Internat. Trust Co., Balt.

Jay Cæsar Guggenheimer, LL. B., Columbia, 1891.—Atty. at Law, N. Y.

Charles Homer Haskins, Ph. D., 1890, Instr., 1889-90; Asst. Prof. and Prof., Univ. of Wis., 1890-1902.—Prof. Hist., Harvard.

George Lincoln Hendrickson, L. H. D., Western Reserve, 1902; Prof., Colo. Coll., 1889-91, Univ. of Wis., 1891-96.—Prof. Latin, Univ. of Chicago.

Frans Otto Karl Hoffmann.—Berlin, Germany.

Robert Milligan McLane, Jr., LL. B., Univ. of Md., 1891; State's Atty., Balt., 1899-1903.—Lecturer, Univ. of Md.; Mayor of Baltimore.

Robert William Rogers, Haverford (Ph. D., 1890, Instr., 1887-90); D. D., Wesleyan, 1894; Ph. D., Leipsic, 1895; Prof., Dickinson, 1890-93.—Prof. Hebrew, Drew Theol. Sem., Madison, N. J.; Lecturer, Woman's Coll., Balt.

Henry Oliver Thompson, LL. B., Univ. of Md., 1890.—Atty. at Law, Balt.

Benjamin Tuska, Columbia (A. M., 1888, LL. B., 1889).—Atty. at Law, N. Y.

Rev. Robert William Henry Weech.—Clergyman, Walbrook, Balt.

*Edward William Willis, M. D., Univ. of Md., 1889. **August* 7, 1893.

Henry Firey Wingert.—Atty. at Law, Hagertown, Md.

Walter Bell Scaife (*extra ordinem*), Ph. D., Vienna, 1887.—Pittsburg.

Albert Henry Smyth (*extra ordinem*), Lecturer, 1899-1900.—Prof. English, Central High School, Phila. (24)

1888

Henry Harold Ballard, Ph. D., 1893; Instr., Rose Polytech., 1893-96.—Math. Master, Country School, Balt.

Edward Ambrose Bechtel, (F), Ph. D., Chicago, 1900; Instr., Northwestern, 1893-97.— Instr., Latin, Univ. of Chicago.

James William Black, Ph. D., 1891; Acting Prof., Georgetown, Ky., 1891-92; Assoc. Prof., Oberlin, 1892-94.—Prof. Hist., etc., Colby Coll., Waterville, Me.

Charles Pliny Brigham, Ph. D., 1891.—Greenport, Long Island, N. Y.

*William Bromwell, Ph. D., 1895; Instr., Chem., Pratt Inst., Brooklyn, 1896-98. **September* 30, 1898.

*Hamilton McFarland Brown. **May* 8, 1892.

Arthur Lee Browne, M. D., Balt. Med. Coll., 1901.— Assoc. Prof., Chem., Balt. Med. Coll.

Charles Hamilton Carey.—Baltimore.

John Broughton Daish, LL. B., Georgetown (D. C.), 1900.—Atty. at Law, Washington.

Rev. William Levering Devries, (F), Ph. D., 1892; S. T. B., Gen. Theol. Sem. (N. Y.), 1894.— Clergyman, Washington.

Gustav Edward Gieske, M. D., Phys. and Surg. (Balt.), 1891.—Catonsville, Md.

Raleigh Colston Gildersleeve.— Architect, N. Y.

Harris Hancock, Ph. D., Berlin, 1894; D. Sc., Paris, 1901; Asst., Instr., Assoc., Chicago, 1892-1900.—Prof. Math., Univ. of Cincinnati.

Walter Jones, Ph. D., 1891; Acting Prof., Wittenberg, 1891-92; Instr. and Prof., Purdue, 1892-95.—Assoc. Prof. Physiol. Chem.

*William Augustine Jones, LL. B., Univ. of Ala., 1889. **February* 11, 1894.

Arthur Lincoln Lamb.—Science Master, Country School, Balt.

Charles Day Lanier.—Asst. Ed., *Review of Reviews*, N. Y.

John Bright Macauley.— Princ. Examiner, U. S. Patent Office, Wash.

*William Howard Miller, Instr. Math., Stanford, 1891-93. **March* 2, 1893.

*George Neville Moore. **October* 29, 1889.

John Henry O'Donovan, M. D., Univ. of Md., 1891.—Baltimore.

Frank Eugene Reader.—Atty. at Law, New Brighton, Pa.

Louis Rettger.—Prof. Nat. Sci., Terre Haute Normal School, Ind.

David Ellsworth Roberts.—Asst. Chief, Div. of Prints, Library of Congress.

Lessing Rosenthal, LL. B., Northwestern, 1891.—Atty. at Law, Chicago.

Charles Edmund Simon, M. D., Univ. of Md., 1890.—Physician, Balt.

Charles Kephart Swartz, (F), B. D., Oberlin, 1892; Fellow, Clark, 1889-90.—Fellow in Geol.

Robert Melvin Tarleton, E. M., Lehigh, 1895.—Mining Eng., Omaha, Neb.

Edward Lucas White, Asst., Dartmouth, 1891-92.—Classical Instr., Boys' Latin School, Balt.

John White, Jr., (F), Ph. D., 1891; Asst., Cornell, 1891-93; Prof., Univ. of Neb., 1893-03.—Prof. Chem., Rose Polytech. Inst., Terre Haute.

Westel Woodbury Willoughby, (F), Ph. D., 1891; Acting Asst. Prof., Stanford, 1894-95.—Assoc. Prof. Polit. Science.

William Franklin Willoughby, Lecturer, Harvard, 1900-01; Lecturer, 1900-01.—Treasurer of Porto Rico, San Juan.

Charles Hiram Chapman (*extra ordinem*), (F), Ph. D., 1890; Instr. and Assoc., 1889-92; Prest., Univ. of Oregon, 1893-99.—Woodland, Wash.

Charles Collier Holden (*extra ordinem*).—Asst. Romance Lang., West Va. Univ., Morgantown. (34)

1889

Adolph Bernhard, Chicago (Ph. D., 1894, Asst. Chem., 1893-98).—Stone Creek, O.

Hiram Horsburgh Bice.—Class. Instr., High School, N. Y.

John Sedgewick Billings, M. D., Univ. of Pa., 1892.—Physician, N. Y.

Walton Bolgiano, M. D., Univ. of Pa., 1892.—Physician, Balt.

Theodore Cooke, Jr., M. D., Univ. of Md., 1891.—Physician, Balt.

Frank Barnum Culver.—New York.

*Richard Edward Edes, Harvard (M. D., 1895, Morgan Fellow, 1889-91); Instr., Mass. Inst. Tech., 1892-93. **November* 25, 1901.

Daniel Nathan Eisendrath, M. D., Chicago Med. Coll., 1891.—Physician, Chicago.

Albert Bernhardt Faust, (F), Ph. D., 1892; Instr., 1894-96; Assoc. Prof., Wesleyan, 1896-03.—Asst. Prof. German, Univ. of Wis., Madison.

Charles Lee Fulton, LL. B., Univ. of Md., 1892.—Atty. at Law, Balt.

Joseph Elliott Gilpin, Ph. D., 1892.—Assoc. Chemistry.

Ross Granville Harrison, (F), Ph. D., 1894, Bruce Fellow, 1894; M. D., Bonn, 1899; Lecturer, Bryn Mawr, 1894-95.—Assoc. Prof. Anatomy.

George Newton Cressy Henschen, late Instr., High School, Harrisburg, Pa.

William Sadler Hilles.—Baltimore.

William Isaac Hull, Ph. D., 1892.—Prof. Hist. and Econ., Swarthmore, Pa.

Harry Clary Jones, (F), Ph. D., 1892.—Assoc. Prof. Phys. Chem.

George Charles Keidel, (F), Ph. D., 1895.—Assoc. Romance Lang.

*Jesse William Lazear, M. D., Phys. and Surg. (N. Y.), 1892; Asst. Clin. Micros., 1897-1900; Asst. Surg., U. S. A., 1900. **September* 25, 1900.

Alfred Mann, M. D., Phys. and Surg. (N. Y.), 1892.—Asst. Pathol., Univ. of Denver; Physician, Denver, Colo.

Charles Carroll Marden, Ph. D., 1894; Instr., Mich., 1890-91.—Assoc. Prof. Spanish.

William Watson McCulloh, LL. B., Univ. of Md., 1892; M. D., Univ. of Pa., 1898.—Physician, Balt.

Philip Randle Moale, Ph. D., 1894.—Chemist, Asheville, N. C.

Waldo Newcomer.—Baltimore.

Leonard Magruder Passano.— Instr. Math., Mass. Inst. Tech., Boston.

Arthur Jackson Patek, M. D., Univ. of Pa., 1892.—Physician, Milwaukee, Wis.

William Peters Reeves, Ph. D., 1893; Asst., Union, 1895-97; Prof., Iowa Univ., 1897-1900.— Prof. English, Kenyon, Gambier, O.

Legh Wilber Reid, Princeton (M. S., 1896, Instr., 1893-1900); Ph. D., Gottingen, 1899.—Assoc. Prof. Math., Haverford.

Ralph Robinson, LL. B., Univ. of Md., 1891.—Atty. at Law, Balt., Prof., Balt. Law School.

Brantz Mayer Rossel, (F), Ph. D., 1896; Instr., Physics, Wash. High School, 1896-1903.—Head Master, Sewanee Gram. School, Tenn.

Rev. John George Sadtler, S. T. B., Gen. Theol. Sem. (N. Y.), 1893.—Clergyman, Balt.

Benjamin Bittinger Shreeves, LL. B., Univ. of Md., 1891.—Atty. at Law, Baltimore.

Robert Tunstall Taylor, LL. B., Univ. of Va., 1891.—Physician, Balt.; Surgeon, Hosp. for Crippled Children.

Walter Herron Taylor, LL. B., Univ. of Va., 1891.—Atty. at Law, Norfolk, Va.

Winfield Scott Thomas.—Asst. Prof., Education, and Examiner of High Schools, Univ. of Cal., Berkeley.

Harry Mass Ullmann, Ph. D., 1892; Hon. Fellow, Chicago, 1892-93.—Instr. Chem., Lehigh.

Horatio Alanson Warren.— Teacher, Broad Brook, Conn. (36)

1890

John McEwen Ames.—New York.

William Hand Browne, Jr., Profic. in Elec., 1892; Instr., Univ. of Neb., 1896-98; Asst. Prof., Univ. of Ill., 1898-1902.— Tech. Ed., *Electrical Review*, N. Y.

James Edmund Bryan, Jr.—Supervisor of Schools, Camden, N. J.

Rev. Ralph Erskine Carson, Allegheny Theol. Sem., 1895.—Missionary, Assiout, Egypt.

*William Henry Carson, LL. B. and A. M., Harvard, 1894. **August* 12, 1899.

Sydney Million Cone, M. D., Univ. of Pa., 1893; Asst. Surg. Pathol., 1896-1900.— Physician, Balt.; Lecturer, Balt. Med. Coll.

Vernon Cook, LL. B., Univ. of Md., 1892.—Atty. at Law, Balt.

Lucius Bradley Dorr, M. D., Univ. of Md., 1890.—Physician, Buffalo, N. Y.

Edwin Stanton Faust, Ph. D., Munich, 1893; Asst., 1894-95.—Privat Docent and 1st Asst., Pharmacol. Inst., Strassburg.

Ned Arden Flood, Allegheny (A. M., 1898, Lecturer, 1895-98).—Atty. at Law, Meadville, Pa.

Herbert Friedenwald.—Philadelphia.

Fielding Hudson Garrison, M. D., Georgetown, 1893.—Physician, Wash.

Philip Fusting Gerry, Catholic Univ. (Ph. M., 1900, late Fellow and Instr.).—Director of English Instruction, Technical Schools, Wash.

George William Gray, Ph. D., 1895.—Chemist, Standard Oil Co., Whiting, Ind.

Samuel H. Guggenheimer. — Atty. at Law, N. Y.

Daniel Dorsey Guy.—Journalist, Washington, D. C.

James Chew Johnston, M. D., New York Univ., 1892.—Physician, N. Y.; Instr. Pathol., etc., Cornell.

Edward Parkin Keech, Jr., LL. B., Univ. of Md., 1892.—Atty. at Law, Baltimore.

Henry McElderry Knower, (F), Ph. D., 1896, Bruce Fellow, 1895-96; Instr., Williams, 1896-97. — Instr. Anat.; Sec. and Co-Editor, *American Journal of Anatomy*.

Berwick Bruce Lanier, M. D., Univ. of Md., 1892.—Physician, Balt.

Sylvan Hayes Lauchheimer, LL. B., Univ. of Md., 1892.—Atty. at Law, Baltimore; Asst. City Solicitor.

Tilghman Brice Marden, M. D., Univ. of Md., 1892.—Physician, Balt.; Assoc. Prof. Biol. and Histol., Balt. Med. Coll.

George Clarence Morrison, LL. B., Univ. of Md., 1893.—Atty. at Law; Prof., Balt. Law School; Memb., Md. House of Delegates, 1904.

Arthur Alexander Oehm.— Instr. in Music, Balt.

*Arthur Rosewald Oppenheimer, M. D., Univ. of Pa., 1893. **April* 29, 1895.

Rev. Lyman Pierson Powell.— Clergyman, Lansdowne, Pa.

Rev. Samuel Guy Snowden, B. D., Drew Theol. Sem., 1893.—Clergyman, Conemaugh, Pa.

James Ernest Stokes, M. D., Univ. of Md., 1892.— Physician, Salisbury, N. C.

Isaac Lobe Straus, LL. B., Univ. of Md., 1892.—Atty. at Law, Balt.

Charles Snowden Watts, LL. B., Univ. of Md., 1893.—Atty. at Law, Balt.

William Wallace Whitelock, Ph. D., Munich, 1892.—New York.

William Whitridge.—Baltimore.

Adolph Grant Wolf.—Atty. at Law, Washington.

Frank Alfred Wolff, Jr., (F), Ph. D., 1893.—Prof., Columbian; Physicist, Bureau of Standards, Wash.

James Homer Wright, M. D., Univ. of Md., 1892; A. M., Harvard, 1894; Fellow, Univ. of Pa., 1892-93.—Instr. Pathol., Harvard; Chief Pathologist, Mass. Gen. Hosp., Boston.

Rev. Oscar Woodward Zeigler, Princeton Theol. Sem., 1893; A. M., Princeton, 1894.—Clergyman, Clear Spring, Md.

Inaso Nitobe (Ota), (*extra ordinem*), Ph. D., Halle, 1890; late Prof. Econ., etc., Sapporo Agric. Coll.—Chief, Gov't Bureau of Industry, Taipeh, Formosa. (37)

1891

Michael Alexander Agelasto, A. M., Columbia, 1893.—Norfolk, Va.

*Delano Ames, M. D., Univ. of Md., 1892. **March* 10, 1899.

Thomas Stockham Baker, (F), Ph. D., 1895.—Lecturer, German; Prof. Mod. Lang., Tome Inst., Port Deposit, Md.

Randolph Barton, Jr., LL. B., Univ. of Md., 1893.—Atty. at Law, Balt.

Daniel Base, Ph. D., 1895.—Assoc. Prof. Chem., Md. Coll. of Pharmacy, and Coll. of P. and S., Balt.

William F. Bissing, M. E., Ohio State Univ.; 1893.—Patent Atty., N. Y.

Rev. Frederick Foye Briggs, Crozer Theol. Sem., 1894.—Clergyman, Wilmington, Del.

Shellman Baer Brown, Profic. in Elec., 1893.—Annapolis, Md.

Thomas Morris Brown.—Elec. Engineer, Cleveland, O.

Sidney Hand Browne, Profic. in Elec., 1893.—Elec. Engineer, Pittsburg.

Henry Andrews Bumstead, Ph. D., Yale, 1897.—Asst. Prof. Physics, Yale.

Frank Kenneth Cameron, Ph. D., 1894; Fellow and Asst., Cornell, 1894-95, 1897-98; Asst. Prof., Catholic Univ., 1895-97.—Soil Chemist, Agric. Dept., Washington.

Malcolm John Cameron, A. M., St. Francis Xavier (N. Y.), 1892; LL. B. and A. M., Columbia, 1894.—Baltimore.

George Carey.—Schenectady, N. Y.

Rev. Neilson Poe Carey, S. T. B., Gen. Theol. Sem. (N. Y.), 1897.—Clergyman, N. Y.

Abraham Cohen, (F), Ph. D., 1894.—Assoc. Mathematics.

Harry Webster Cooke.—Atty. at Law, Baltimore.

Arthur Aaron Dembitz.—New York.

Augustus Kountze Detwiler, M. D., Univ. of Pa., 1894.—Physician, Omaha, Neb.

George W. Dobbin, M. D., Univ. of Md., 1894; Asst. and Assoc., 1895-1901.—Physician, Balt.; Prof. Obstetrics, Coll. of Phys. and Surg.

William Francis Gallaway, (F), Ph. D., 1896.—Prin., Chatham Acad., Savannah.

George Henry Heitmuller, M. D., Univ. of Pa., 1894.—Physician, Wash.

Philip Hanson Hiss, Jr. M. D., Columbia, 1895.—Physician, N. Y.; Adj. Prof. Bacteriol., Columbia.

Jacob H. Hollander, (F), Ph. D., 1894; Treasurer of Porto Rico, 1900-01.—Assoc. Prof. Pol. Econ.

Charles McHenry Howard, LL. B., Univ. of Md., 1893.—Atty. at Law, Baltimore.

Reid Hunt, (F), Ph. D., 1896, Assoc. and Assoc. Prof., 1898-03; M. D., P. and S. (Balt.), 1896; Tutor, Columbia, 1896-98. — Pharmacologist, Bureau of Public Health, Wash.

Charles William Leverett Johnson, (F), Ph. D., 1896; Instr., Yale, 1897-1900; Instr. Latin, Princeton, 1900-03.—Student in Europe.

Henry Webster Keating.—Instr., St. James School, Md.

*William Knower, LL. B., Univ. of Md., 1893. **December* 27, 1894.

George Lefevre, (F), Ph. D., 1896, Bruce Fellow, 1895-97, Asst., 1897-98.—Prof. Zool., Univ. of Mo., Columbia.

George Milton Linthicum, M. D., Phys. and Surg. (Balt.), 1893.—Physician, Balt.; Demonstr., Woman's Med. Coll.

Hugh Sisson Magruder, S. B., Columbia, 1898.—Architect, Balt.

Arthur William McDougall.—Gen. Sec., Assoc. Charities, Orange, N. J.

Rev. Whitford L. McDowell.—Clergyman, Balt.

James Farnandis Mitchell, M. D., 1897, Instr. Surg., 1900-02.— Physician, Washington; Prof. Surg. Pathol., Columbian.

Archibald Campbell Murray.—Balt.

Charles Fairbank Painter, Harvard, (M. D., 1895, Asst., 1897-99).—Physician, Boston; Instr., Tufts Med. Coll.

Alfred Wilmot Pleasants.—Baltimore.

Alfred Magill Randolph, Jr., Profic. in Elec., 1894.—Elec. Engineer, Manchester, Eng.

William Ferdinand Rittler. — Second Lieut., U. S. A., Monterey, Cal.

Charles James Search, M. D., Univ. of Wooster, 1892.—Physician, Brooklyn.

Alfred Jenkins Shriver, LL. B., Univ. of Md., 1893; A. M., Loyola, 1894.—Atty. at Law, Balt.

Rev. James Lawrenson Smiley.—Clergyman, Alberton, Md.

Samuel King Smith, LL. B., Univ. of Md., 1893.—Atty. at Law, Balt.

Rev. Daniel Gurden Stevens, Jr., (F), Ph. D., 1894; B. D., Croser Theol. Sem., 1897.—Clergyman, Bryn Mawr, Pa.

Charles Morton Stewart, Jr.—Balt.

William Stuart Symington, Jr.. Ph. D., 1895; Instr. and Assoc. Prof., Stanford, 1893-95; Prof. Romance Lang., Amherst, 1895-1903.—New York.

Matthew Moller Johnston Vea.—Stoughton, Wis.

Rev. Edward Louis Watson.—Clergyman, Balt.

Charles Joseph West.

Charles Francis Woods, Jr., Ph. D., 1897; Prof. Woman's Coll., Richmond, 1879-99; Acting Prof., Swarthmore, 1899-1900, and Pa. Coll., 1900-02.—Acting Prof. German, Univ. of Colo., Boulder. (51)

1898

Harry Adler, M. D., Univ. of Md., 1895.—Physician, Balt.

Newton Diehl Baker, Jr., LL. B., Wash. and Lee, 1894.—Atty. at Law and Asst. Corporation Counsel, Cleveland; Prof., Baldwin Univ., O.

Charles Gambrill Baldwin, LL. B., Univ. of Md., 1895.—Atty. at Law, Balt.

Edwin Bernhard Behrend, M. D., Georgetown, 1894.—Physician, Wash.; Prof. Pathol., etc., Georgetown.

Rev. Lunsford Emory Bennett, B. D., Drew Theol. Sem., 1894.—Clergyman, Highlandtown, Md.

Arthur Fisher Bentley, (F), Ph. D., 1895.—Chicago.

George Edward Boynton.—Instr. Hist., etc., High School, Brooklyn.

Thomas Richardson Brown, M. D., 1897.—Physician, Balt.; Assoc. Prof., Coll. of P. and S.; Chief, Med. Clinic; Instr. Medicine.

Alfred Cookman Bryan, Ph. D., 1896; Instr., Wash. High School, 1896-02.—Instr. Hist., Polytech. Prep. Sch., Brooklyn.

Charles Weathers Bump.—News Editor, *Baltimore News*.

William Calvin Chesnut, LL. B., Univ. of Md., 1894.—Atty. at Law, Balt.

John Edwin Davis, LL. B., Univ. of Md., 1895.—Atty. at Law, Balt.

Henry Haywood Glassie.—Atty. at Law, Washington.

Leon Emanuel Greenbaum, LL. B., Univ. of Md., 1895.—Atty. at Law, Baltimore.

James Wesley Harvey, Jr., LL. B., Univ. of Md., 1893.—Balt.

William August Haussmann, (F), Ph. D., 1895.—Instr. German, Central High School, Phila.

Jose Lewis Hirsh, M. D., Univ. of Md., 1895.—Physician, Balt.; Demonstr., Univ. of Md.

Morris James.—Class. Instr., High School, Berkeley, Cal.

Hugh Judge Jewett, LL. B., Univ. of Md., 1894.—Atty. at Law, Balt.

Theodore Woolsey Johnson, M. E., Stevens Inst., 1896.—Prof. Mech. Eng., U. S. Naval Acad.

John Holladay Latane, Ph. D., 1895, Shaw Lecturer, 1898-99; Prof., Randolph-Macon Woman's Coll., 1898-1902.—Prof. Hist., Wash. and Lee, Lexington, Va.

Edward Jaquelin L'Engle.—Atty. at Law, Jacksonville, Fla.

Earl Perkins Lothrop, M. D., Niagara Univ., 1894.—Physician, Buffalo, N.Y.

Charles Whitney Mixter, Harvard (A. M., 1893, Ph. D., 1897, Asst., 1896-98, Instr. Econ., 1902-03).

Walter Alexander Montgomery, Ph. D., 1899; Instr., Univ. of Ark., 1899-1900; Acting Prof., Miss. Univ., 1900-01.—Class. Master, Gram. Sch., Sewanee, Tenn.

James Flack Norris, (F), Ph. D., 1895.—Asst. Prof. Chem., Mass. Inst. Tech.

Thomas Dobbin Penniman, Ph. D., 1898.—Elec. Eng., Balt.

Charles William Peppler, (F), Ph. D., 1898.—Prof. Greek, Emory Coll., Oxford, Ga.

Albert Moore Reese, Ph. D., 1900; Prof., Allegheny, 1901-02.—Assoc. Prof. Histol., etc., Syracuse Univ., N. Y.

William Miller Roberts, M. D., Univ. of Md., 1897.—Physcian, Balt.

Abram Barr Snively, M. D., Univ. of Pa., 1895.—Physician, Waynesboro, Pa.

John Sargent Stearns, M. D., Georgetown, 1894.—Physician, Wash.

Charles Daniel Steenken, M. D., Coll. of P. and S., N. Y., 1896.—Physician, Baltimore.

Leopold Stern.—Baltimore.

Lester Latham Stevens, LL. B., Univ. of Md., 1894.—Atty. at Law, Balt.

Gustav Luerman Stewart.—Baltimore.

*John Stewart. **September* 27, 1903.

Redmond Conyngham Stewart, LL. B., Univ. of Md., 1894.—Atty. at Law, Baltimore.

Arthur Bertram Turner, Ph. D., Univ. of Pa., 1902.—Prof. Math., Temple Coll., Phila.

Harold John Turner, Ph. D., 1899; Prof., Western Md., 1900-01.—Asst. Chem., Tufts Coll., Mass.

Richard Henry Wilson, Jr., Ph. D., 1898, Instr., 1898-99.—Prof. Romance Lang., Univ. of Va. (41)

1893

John Robert Abercrombie, M. D., Univ. of Md., 1895.—Physician, Balt.; Lecturer, Woman's Med. Coll.

Adolph Hall Ahrens.—Baltimore.

Theodore George Ahrens.— Architect, Baltimore.

Delaware Clayton Andre, LL. B., Univ. of Md., 1894.—Atty. at Law, Balt.

Frank Andrews, Teacher, 1893-1902.—Asst., Bureau of Statistics, Dept. of Agric., Wash.

William Steenbergen Blackford.—Balt.

George Stewart Brown, LL. B., Univ. of Md., 1895.—Atty. at Law, Balt.; Instr., Balt. Law School.

William Lawrence Clark.—Balt.

Frank Angier Clarke.—Prof. Latin and Greek, Mars Hill Coll., N. C.

Edward Lowell Cox.—Atty. at Law, Parkersburg, W. Va.

Noah Ernest Dorsey, (F), Ph. D., 1897, Asst. and Assoc., 1897-1901. — Physicist, Bureau of Standards, Washington.

Howard Blake Dowell, LL. B., Univ. of Md., 1895.—Atty. at Law, Balt.

John Hooper Edmondson, LL. B., Univ. of Md., 1895.—Atty. at Law, Balt.

Henry Simpson Greenleaf, M. D., Univ. of Pa., 1895.— Res. Phys., Amer. Hosp., Peking.

Wilmot Griffiss.

Louis Philip Hamburger, M. D., 1897. —Physician, Balt.; Clin. Asst.; Instr., Medicine.

John Hampden Haselton.—Atty. at Law, New York.

Lloyd Lowndes Jackson, Jr., LL. B., Univ. of Md., 1895.—Atty. at Law, Baltimore.

Millard Langfeld, M. D., 1898.—Physician, Omaha; Prof. Bacteriol., etc., Creighton Med. Coll.

John Leypold Griffith Lee, LL. B., Univ. of Md., 1894.—Atty. at Law, Balt.; Prof. Med. Jurisprud., Woman's Med Coll.

Jacob Moses Moses, LL. B., Univ. of Md., 1895.—Atty. at Law, Balt.

Clayland Mullikin, LL. B., Univ. of Md., 1893.—Atty. at Law, Easton, Md.

Charles Watson Newhall.—Math. Master, Shattuck School, Faribault, Minn.

Frederick Bogue Noyes, D. D. S., Northwestern.—Prof. Histol., Dental Dept., Northwestern Univ., Evanston, Ill.

Eugene Lindsay Opie, (F), M. D., 1897. —Assoc. Pathology.

Charles Bingham Penrose, Jr., LL. B., Univ. of Md., 1898.—Atty. at Law, Baltimore.

Clement Andariese Penrose, M. D., 1897.—Physician, Balt.

Charles Carroll Schenck, Ph. D., 1901; Asst., Lehigh, 1901-02.—Instr. Physics, McGill Univ., Montreal.

Siegmund Bacharach Sonneborn.—Balt.

Morris Ames Soper, LL. B., Univ. of Md., 1895.— Asst. U. S. District Atty., Balt.; Instr., Balt. Law Sch.

Francis Edgar Sparks, Ph. D., 1896. —Atty. at Law, Balt.

Alfred Earnest Speirs.—Chicago, Ill.

Hugo Paul Thieme, Ph. D., 1897; Asst. Prof., Earlham, 1897-98; Lecturer, 1900-1901.—Instr. French, Univ. of Mich., Ann Arbor.

Douglas Hamilton Thomas, Jr.—Architect, Balt.

Edwin Litchfield Turnbull.—Baltimore.

Rev. John Ogle Warfield, B. D., Episc. Theol. Sem. (Camb.), 1896.—Clergyman, Phila.

Henry Skinner West, (F), Ph. D., 1899, Instr., 1899-1900; Prof. Eng., Balt. City Coll., 1894-97 and 1900.—Prin., Western High School, Balt.

Frederick Wallace Wilson.— Atty. at Law, The Dalles, Oregon.

Leo Wolfenstein.—Cleveland, O.

William Hamilton Kirk (*extra ordinem*), (F), Ph. D., 1895; Instr., Vanderbilt, 1895-1900.—Prof. Latin, Rutgers. (40)

1894

John Griffith Ames, Jr., A. M., Oxford, 1899; Prof., Kenyon, 1895-97.—Prof. English, Illinois Coll., Jacksonville.

William Stevenson Baer, M. D., 1898.—Physician, Balt.; Clin. Asst.; Instr. Orthopedic Surg.

Rev. Adolph Elhart Baker, Union Theol. Sem. (Va.), 1897.—Clergyman, Sykesville, Md.

Walter Baumgarten, M. D., Wash. Univ., 1896; Asst., Harvard, 1897-98; Asst. Med., 1903-04.—Physician, St. Louis.

Arthur Henry Baxter, Ph. D., 1898.—Instr. French, Amherst.

Ernest Julius Becker, Ph. D., 1898; Prof., Woman's Coll., Richmond, 1899-1901.—Instr. Mod. Lang., Balt. City Coll.

Thomas Pumphrey Benson, M. D., Univ. of Md., 1898.—Physician, Pumphrey's, Md.

Thomas Fits Patrick Cameron.—Balt.

Moses S. Cohen, LL. B., Univ. of Md., 1896.—Atty. at Law, Balt.

Bernard Milton Cone, Columbia (A. M., 1896, LL. B., 1897).—Atty. at Law, N. Y.

Charles Angelo Conrad, LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.

Walter Cox, M. D., Balt. Univ., 1898.—Asst. Surg., U. S. Marine Hosp. Service.

Percy Millard Dawson, (F), M. D., 1898.—Assoc. Physiology.

Eli Frank, LL. B., Univ. of Md., 1896.—Atty. at Law, Balt.; Instr., Balt. Law School.

Nathaniel Edward Griffin, Ph. D., 1899; Instr., Iowa Univ., 1899-1900; Prof., Wells Coll., 1900-03.—Instr. English, Univ. of Vt., Burlington.

Benjamin Howell Griswold, Jr., LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.

Richard Jordan Hancock, Jr.—Atty. at Law, Atlanta, Ga.

Stephen Cloud Harry.—Math. Instr., Friends' School, Balt.

Thomas Wood Hastings, M. D., 1898.—Physician, N. Y.; Instr. Clin. Pathol., Cornell.

Rev. Conrad Augustine Hauser, Lancaster Theol. Sem., 1897.—Clergyman, Cumberland, Md.

Herman Frederick Krafft, LL. B., Columbia, 1898.—English Master, St. George's School, Newport.

Harry Taylor Marshall, (F), M. D., 1898.—Asst. Pathol. and Instr. Medicine; Physician, Balt.

George Stevens Maynard, Profic. in Elec., 1896.—Gen. Elec. Co., Schenectady, N. Y.

Louis Wardlaw Miles, (F), M. D., Univ. of Md., 1897; Ph. D., 1902.—German Master, Country School for Boys, Baltimore.

William Albert Nitze, (F), Ph. D., 1899; Lecturer and Tutor, Columbia, 1899-03.—Prof. Romance Lang., Amherst.

James Piper, LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.

John Eugene Howard Post.—French Master, Country School for Boys, Baltimore.

John Hurst Purnell.—Baltimore.

Milton Reizenstein, Ph. D., 1897.—Asst. Agent, Baron Hirsch Foundation, N.Y.

Frank Roy Rutter, (F), Ph. D., 1897; Lecturer, Columbian, 1901-02.—Dept. of Agric., Wash.; Lecturer, Commerce, etc., Iowa Univ., 1903-04.

Simon H. Stein, LL. B., Univ. of Md., 1896.—Balt.

Emerson H. Strickler.—Chemist, Balt.

Joseph Pembroke Thom, Jr., LL. B., Univ. of Md., 1901.—Atty. at Law, Baltimore.

Rev. George Harvey Trull, Princeton Theol. Sem., 1897.—Clergyman, Wilmington, Del.

Clinton Gambrill Tudor.—Civil Engr., Peoria, Ill.

Malcolm Van Vechten Tyson, LL. B., Univ. of Md., 1897.—Atty. at Law, Baltimore.

Horace Scudder Uhler, Instr., Northwestern, 1896-97.—Grad. Student.

George Talbot Whitfield.—Atty. at Law, Tallahassee, Fla.

Pere Lethrbury Wickes, Jr.—Atty. at Law, Balt.

*Chester Clark Wood. **September* 11, 1895.

James Curtis Ballagh (*extra ordinem*), Ph. D., 1895.—Assoc. History. (41)

1895

Wilbur Withrow Ballagh.—Tenafly, N. J.

William Sherman Bansemer, LL. B., Univ. of Md., 1897.—Atty. at Law, Baltimore.

Harry Bissing, Profic. in Elec., 1895. —Elec. Eng., N. Y.

Hanson Briscoe Black.—1st Lieut., U. S. Artillery, Sandy Hook, N. J.

Rev. Charles Henry Hardin Branch, Princeton Theol. Sem., 1898.—Clergyman, Lexington, Ky.

George Dobbin Brown, (F), Ph. D., 1901; Acting Prof., Univ. of Vt., 1901-02.—Instr. English, Balt.

Lawrason Brown, M. D., 1900.—Physician, Saranac Lake, N. Y.

Humphrey Warren Buckler, M. D., 1899. —Physician, Balt.; Clin. Asst.; Asst. Obstetrics.

William Mack Chowning, S. B., Knox, 1894; M. D., Mich., 1901.—Physician, Minneapolis; Demonstr. Pathol., etc., Univ. of Minn.

Charles Bevan Clark, S. B., Mass. Inst. Tech., 1897.—Engineer, Cincinnati.

Gilbert Abraham Coblens.—Balt.

Reuben Carll Foster, LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.

Frank Taylor Fulton, S. B., Knox, 1894; M. D., 1899.—Pathologist, and Director, Pathol. Lab., R. I. Hosp., Providence; Instr., Brown.

*James Daton Gallagher, M. D., 1899. **April* 1, 1901.

George Herbert Gray.—Architect, N. Y.

Milton Daniel Greenbaum, LL. B., Univ. of Md., 1897.—Atty. at Law, Baltimore.

Roland Bridendall Harvey, LL. B., Univ. of Md., 1896.—Atty. at Law, Baltimore.

George Oscar James, (F), Ph. D., 1899; Instr., Univ. of Utah, 1896-97; Lecturer and Assoc. Prof., Columbian, 1900-02; Instr., Lehigh, 1902-03.—Instr. Math., Washington Univ., St. Louis.

Stuart Symington Janney, LL. B., Univ. of Md., 1901.—Atty. at Law; Instr., Balt. Law School.

Marcus Kaufman, LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.

Charles Alexander Kilvert.—Providence, R. I.

Ernest Pendleton Magruder, Columbian (A. M., 1900, M. D., 1902).—Physician, Wash.

*Edward Spiller Oliver, M. D., 1900. **March* 18, 1902.

John Donaldson Parker, LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.

David Sterrett Pindell, Profic. in Elec., 1897.

Jacob Hall Pleasants, Jr., M. D., 1899. —Physician, Balt.; Assoc. Prof., Coll. of P. and S.; Clin. Asst.; Asst. Med.

Rev. Gustav Rudolph Poetter, Lancaster Theol. Sem., 1898.—Clergyman, Balt.

John Andrew Robinson, LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.

Sylvan Rosenheim, M. D., 1899.—Physician, Balt.; Demonstr., Coll. of P. and S.; Clin. Asst.; Asst. Laryngol.

Charles Albert Savage.—Asst. Prof. Latin, Univ. of Minn., Minneapolis.

Edgar Randolph Strobel, M. D., 1899. —Physician, Balt.; Clin. Prof., Balt. Med. Coll.; Clin. Asst.; Asst. Dermatology.

Robert McIlvaine Torrence.—Washington, Pa.

Campbell Easter Waters, Ph. D., 1899; Prof., Conn. Agric., 1900-01.—Asst. Chemistry.

Arthur Charles Watkins, B. D., Union Theol. Sem., N. Y., 1900.—Sewanee, Tenn.

Henry Abel Whitaker.—Atty. at Law, Belair, Md.

William Whitridge Williams, M. D., 1899; Asst. Pathol., Harvard, 1901-1903.—Physician, Mass. Gen. Hosp., Boston.

William Wingert, LL. B., Univ. of Md., 1897.—Atty. at Law, Hagerstown.

(37)

1896

Thomas Sewell Adams, (F), Ph. D., 1899.—Asst. Prof. Econ., Univ. of Wis., Madison.

Cornelius Beatty, Prof. Des Moines Coll., 1899-02.—Instr. Chem., Grant Univ., Athens, Tenn.

Augustus Cæsar Binswanger.—Atty. at Law, Balt.

Charles Edward Caspari, (F), Ph. D., 1900; Asst., Columbia, 1900-01.—Prof. Chem., St. Louis Coll. of Pharmacy.

Clarence Carroll Clark, Ph. D., Yale, 1903.—Lecturer, English Lit., Bryn Mawr.

Rev. Frank Wilbur Collier, S. T. B., Boston Univ., 1899.—Clergyman, Malden, Mass.

Rev. Charles Edward Diehl, Princeton Theol. Sem., 1900; A. M., Princeton, 1900.—Clergyman, Crescent Springs, Ky.

William Reginald Dorsey.—Atty. at Law, Balt.

George Dyre Eldridge, Jr., LL. B., Columbia, 1900.—New York.

Rev. Albert Dale Gantz, Princeton Theol. Sem., 1899; A. M., Princeton, 1899. — Clergyman, Walla Walla, Wash.

Alfred Dearing Harden.—Atty. at Law, Savannah, Ga.

*William Faithful Hendrickson, M. D., 1900; Demonstr. Pathol., Univ. of Pa., 1900-02. **August* 21, 1902.

*Frank Holmes Johnson. **June* 20, 1896.

Charles Harwood Knight.—Balt.

William Kurrelmeyer, (F), Ph. D., 1899; Prof., Franklin and Marshall, 1899-1900.—Instr. German.

Robert Lacy, S. B., Mass. Inst. Tech., 1898.—Civil Eng., Burke's Sta., Va.

Henry Lanahan.—Prof. Physics, Md. Agric., College Park.

Monroe Luchs.—Washington, D. C.

Arthur Webster Machen, Jr., LL. B., Harvard, 1899.—Atty. at Law, Balt.; Instr., Balt. Law School.

Richard Elliott Marine.—Asst. Examiner, U. S. Patent Office, Wash.

Henry Pickering Parker, M. D. 1901.—Interne, Union Protest. Infirmary, Baltimore.

Albert Cabell Ritchie, LL. B., Univ. of Md., 1898.—Atty. at Law, Balt.; Asst. City Solicitor.

Louis Rosenbaum, LL. B., Univ. of Md., 1898.—Atty. at Law, Balt.

Glanville Yeisley Rusk, M. D., 1900; Asst. Psychiatry, 1902-03.— Pathol. Inst., Ward's Island, N. Y.

Laurence Frederick Schmeckebier, (F), Ph. D., 1899.—U. S. Geol. Survey, Washington.

James Eustace Shaw, (F), Ph. D., 1900.—Assoc. Italian.

St. George Leakin Sioussat, Ph. D., 1899; Instr., Smith Coll., 1899-04.—Prof. Hist., Univ. of the South, Sewanee, Tenn.

Alexander Raymond Stevens, M. D., 1903.—House Officer.

Rev. John Wesley Richardson Sumwalt.—Clergyman, Frostburg, Md.

John Hanson Thomas, LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.

Charles Burnet Torsch.—Balt.

James McConky Trippe, LL. B., Univ. of Md., 1898.—Atty. at Law, Balt.

Charles William Waidner, (F), Profic. in Elec., 1892, Ph. D., 1898, Asst., 1898-99; Instr., Williams, 1899-1901. — Physicist, Bureau of Standards, Washington.

William Fisher Wallis.—U. S. Coast and Geodetic Survey.

Frederick Howard Warfield, LL. B., Univ. of Md., 1899.—Atty. at Law, Baltimore.

Rev. John Armistead Welbourn, A. M., Columbian, 1898; Va. Theol. Sem., 1899.—Missionary in Japan.

John Montgomery West, M. D., 1901.—Student, Vienna. (37)

1897

Herbert Henry Adams, C. E., Mass. Inst. Tech., 1899.—Civil Engineer, Detroit.

Frederick Henry Baetjer, M. D., 1901.—Asst. Res. Surg.; Asst. Surgery.

Robert Ernest Belknap.—Pa. Steel Co., Chicago.

Frank Ringgold Blake, (F), Ph. D., 1902.—Instr. Oriental Lang.

Edward Lingan Bowlus, Prof., Mt. Union Coll., 1902; Instr. Biol., Monmouth Coll., 1902-03.— Middletown, Md.

Charles Keyser Edmunds, (F), Ph. D., 1903, Acting Prof., Univ. of Utah, 1898-99.—Prof. Phys., etc., Christian Coll., Lemecao, China.

Howard Main Gassman, E. E., Lehigh, 1901; Instr., Ursinus, 1897-99.—Elec. Eng., Ampere, N. J.

Neil Duncan Graham, M. D., 1901.—Physician, Wash.; Asst. Obstetrics, Howard Univ.

Charles Saloman Guggenheimer.—Atty. at Law, N. Y.

Frank Arnold Hancock.—Chemist, Balt.

Landry Harwood, LL. B., Kansas City Law School, 1899.—Atty. at Law, Kansas City.

Eugene de Forest Heald, Jr.—Wash.

Michael Ernest Jenkins, LL. B., Harvard, 1900.—Atty. at Law, Balt.

Harry M. Kaufman, M. D., 1901.—Physician, Washington; Demonstr. Pathol., Columbian.

Rev. Frank Albert Killmon.—Clergyman, Belair, Md.

Rev. John Edgar Knipp, Union Biblical Sem., O., 1900; Instr., Doshisha Kyoto, Japan, 1900-03.

Theodore Morgan Leary.—New York.

William Strobel Levy.—Atty. at Law, Baltimore.

Warfield Theobald Longcope, M. D., 1901.—Director, Ayer Clin. Lab., Pa. Hosp., Philadelphia.

Charles Edward Lyon, Instr., German, Princeton, 1902-03.—Fellow by Courtesy.

Rev. Henry Clay McComas, Jr., A. M., Columbia, 1898; Union Theol. Sem. (N. Y.), 1900.—Clergyman, Cadillac, Mich.

George Lovic Pierce Radcliffe, Ph. D., 1900; Instr. Hist., Balt. City Coll., 1901-02.—Atty. at Law, Balt.

Herbert Meredith Reese, (F), Ph. D., 1900; Asst., Lick Observ., 1900-03.—Asst., Yerkes Observ., Williams Bay, Wis.

Alexander Henry Schuls, Jr.—Balt.

Rev. John Frederick Schunck, B. D., West Phila. Divinity School, 1901.—Clergyman, Weldon, Pa.

*Henry Plant Shuter. **October* 17, 1898.

Josiah Morris Slemons, M. D., 1901.—Res. Obstetrician; Asst., Obstetrics.

Samuel Hamilton Spragins, A. M., Yale, 1899.—Supt. of Schools, Helena, Ark.

Albert Louis Steinfeld, M. D., 1901.—Lecturer, Histol. and Pathol., Toledo Med. Coll.; Physician, Toledo, O.

James McIlhany Thomson.—Norfolk, Va.

Albert James Underhill, M. D., 1901.—Physician, Balt.; Clin. Asst.

Louis Marshall Warfield, M. D., 1901.—Physician, Savannah, Ga.

George William Warren, M. D., 1901.—Physician, New York.

David Emrich Weglein.—Instr., Pedagogy, Balt. City Coll.

Dudley Williams.—Student of Pathol., Harvard.

Henry Merryman Wilson.—Prof., Textiles, A. and M. Coll. of N. C., Raleigh.

Charles Knickerbacker Winne, Jr., M. D., 1901.—Asst., Bender Lab., Albany. (37)

1898

Zadok Marshall Ballard.—Norfolk, Va.

Odin Baltimore Bestor.—Engr., Ridge Top, Tenn.

Duncan Kenner Brent, LL. B., Univ. of Md., 1900.—Atty. at Law, Balt.

Bennet Bernard Browne, Jr., M. D., 1902.—Physician, Balt.; Asst., Eye, Ear, and Throat Charity Hosp.; Clin. Asst.

George Miltenberger Clarke.—Atty. at Law, New York.

Henry Wireman Cook, M. D., 1902.—Physician, Richmond, Va.

Rev. Albert Charles Dieffenbach, Lancaster Theol. Sem., 1901.—Clergyman, Allegheny, Pa.

Gustavus Charles Dohme, M. D., 1902.—Physician, Balt.

Ralph Duffy, M. D., 1902.—Pathologist, West. Pa. Hosp., Pittsburg.

James F. Ferguson.—Balt.

John Somerville Fischer, M. D., 1903.—Asst. Res. Phys., St. Joseph's Hosp., Baltimore.

Thomas Fitzgerald, Jr.—Elec. Engineer, Lexington, Ky.

Lawrence Hall Fowler, S. B., Columbia, 1902.—Architect.

William Willoughby Francis, M. D., 1902.—Res. Phys., Royal Victoria Hosp., Montreal.

William Casenove Gardner.—Balt.

Alexander Gordon, Jr., LL. B., Univ. of Md., 1900.—Atty. at Law, Balt.

William Browne Hammond, Jr., LL. B., Univ. of Md., 1900.—Atty. at Law, Baltimore.

Philip Warner Harry, Ph. D., 1903; Instr., Univ. of Me., 1901-02.—Instr., Romance Lang., Univ. of Cincinnati.

Leonard Keene Hirshberg, M. D., 1902. —Physician, Balt.; Assoc., Neurol., Coll. of P. and S.; Chief, Nerve Clinic, City Hosp.

Conway Shaler Hodges.—Atty. at Law, Baltimore.

William Randle Hubner, LL. B., Univ. of Md., 1900.—Atty. at Law, Balt.

Robert Henry Jones.

Charles Wesley Kalb.—Teacher, Catonsville, Md.

James Alfred Kennard, LL. B., Univ. of Md., 1901.—Toronto.

Louis Charles Lehr, M. D., 1902.—Physician, Balt.; Clin. Asst.

Henry John Lucke, Lafayette (A. M., 1901, Instr., Math., 1900-02).—Asst. Examiner, U. S. Patent Office, Wash.

David Gregg McIntosh, Jr., LL. B., Univ. of Md., 1901.—Atty. at Law, Baltimore.

Frank Oldham Miller, M. D., Univ. of Md., 1902.—Physician, Balt.

Raymond Durbin, Miller, (F).—Fellow in English.

Solomon Brenner Myers.—Baltimore.

Harold Pender, Ph. D., 1901.—Instr., Physics, Syracuse Univ., N. Y.

Thomas Lindley Pyle.—Pylesville, Md.

Vincent Adams Renouf.—Prof., Univ. of Tientsen, China.

George Barr Scholl, M. D., 1902.—Physician, Balt.; Assoc. Prof. Pathol., etc., Md. Med. Coll.

Alexander Lasear Seth, LL. B., Univ. of Md., 1901.—Atty. at Law, Balt.

Frederick Williamson Smith, C. E., Mass. Inst. Tech., 1901.—Engineer, Mattoon, Ill.

Robert Marsden Smith, LL. B., Univ. of Md., 1900.—Atty. at Law, Balt.

Victor Edgeworth Smith.—Grad. Student.

Charles Miner Stearns.—Asst. English, Harvard.

Leo D. Stein.

William Plunket Stewart.—Balt.

Albert Gad Stidman.—Instr. Mod. Lang., Lehigh, S. Bethlehem, Pa.

William Ellinger Straus.—Balt.

Joseph Nathan Ulman, A. M., Columbia, 1900.—Atty. at Law, Balt.

John Boswell Whitehead, Profic. in Elec., 1898, Ph. D., 1902.—Assoc. Electricity.

Powhatan Johnson Wooldridge.—Louisville, Ky.

Jacob Forney Young.—Balt.

Rev. Charles Smith Lewis (*extra ordinem*), S. T. B., Gen. Theol. Sem. (N. Y.), 1895.—Clergyman, Elmsford, N. Y. (48)

1899

James Robert Charlton Armstrong, Profic. in Elec., 1899.—Gen. Elec. Co., N. Y.

George Dinguid Davidson.—Prof. Mod. Lang., Rawlings Inst., Charlottesville, Va.

Henry Carter Downes, LL. B., Univ. of Md., 1901.—Atty. at Law, Balt.

Ferdinand Colquhoun Fisher.—Graduate Student.

Walter Melvin Fooks.—Atty. at Law, Baltimore.

Eddy Burke Fosnocht.—Mod. Lang. Master, Cheltenham Acad., Ogontz, Pa.

Simon Walter Frank.—Balt.

John Calvin French, (F).—Fellow in English.

*Charles Carter Gaddess. **June* 16, 1901.

John Reed Gemmill.—Denver, Colo.

Harry Seliger Greenbaum.—Medical Student.

Robert Harold Grimes, LL. B., Harvard, 1902.—Atty. at Law, N. Y.

Clarence Maurice Guggenheimer.—New York.

Hugh Sisson Hanna.—Grad. Student.

Stephen Paul Harwood.—Atty. at Law, Baltimore.

Louis Wardlaw Haskell, Jr., M. D., 1903.—Surg. Externe.

Talbot Dickson Jones.—Baltimore.

Leon Lewis Joyner.—Baltimore.

Karl Jungbluth, Jr.—Louisville, Ky.

John Albert Kalb.—Princ., High Sch., Hamburg, N. J.

John Hendricken King.—Med. Student.

George Wroth Knapp, Jr.—Baltimore.

Walter Marshall Krager.—Baltimore.

Herman Kurrelmeyer, (F), Ph. D., 1902. —Instr. Mod. Lang., Mass. Inst. Tech.

*Joshua Levering, Jr. **August* 23, 1900.

James Morfit Mullen.—Baltimore.

Philip Austen Murkland, LL. B., Univ. of Md., 1901.—Atty. at Law, Balt.

Edward Livingston Palmer, Jr.—Balt.

John Howard Palmer.—Baltimore.
Charles Mallory Remsen.—Med. Student.
Lawrence Anton Reymann.— Wheeling, W. Va.
Edward Ayrault Robinson, Jr.—Atty. at Law, Balt.
George Canby Robinson, M. D., 1903.—Asst. Pathologist, Pa. Hosp., Phila.
William Leavell Ross.—Pittsburg, Pa.
Edwin Albert Spilman.—Baltimore.
Rene de M. Taveau.—Graduate Student.
Richard Henry Thomas.—Chemist, Newark, N. J.
Ottomar Siegmund Werber. (38)

1900

Rev. Roger Brooke Taney Anderson, S. T. B., Gen. Theol. Sem. (N. Y.), 1903.—Clergyman, Boston.
Howard Baetjer, C. E., Mass. Inst. Tech., 1902.—Civil Engineer, Pittsburg.
Christian John Beeuwkes.— Atty. at Law, Balt.
Henry Bogue.—Washington, D. C.
Byron Noble Bouchelle.— Chesapeake City, Md.
Austin Adams Breed.—Cincinnati, O.
Charles Edward Brooks.—Grad. Student.
Edward Skipwith Bruce.—Baltimore.
James Luther Albert Burrell.—Student, Univ. of Munich.
Rev. Lyttleton Morgan Chambers. —Clergyman, Balt.
Christopher Thompson Clark, LL. B., Columbian, 1903.— Atty. at Law, Washington.
McQuilkin DeGrange.—Student of Law, Catholic Univ.
John Howard Eager.—New York.
Rev. John Edward Ewell, Va. Theol. Sem., 1903.—Clergyman.
Frederick Bonner Flinn.—Newark, N. J.
Frederick Foster.— Student of Law, Univ. of Md.
Otto Charles Glaser.—Univ. Scholar.
Joseph David Greene.—Atlanta, Ga.
John Wheeler Griffin, LL. B., Harvard, 1903.—Atty. at Law, N. Y.
Stuart Heyman.—Baltimore.
Harry Dickinson Hill.—Grad. Student.
John Philip Hill, LL. B., Harvard, 1903.
Edward Pechin Hyde, (F).—Fellow by Courtesy; Asst., U. S. Bureau of Standards, Wash.
Albert Keidel, M. D., 1903.—Physician, Catonsville, Md.
Robert Clark Kerr.—Baltimore.
Maurice Lasenby, M. D., 1903.—Interne, Church Home, Balt.
Donald Macy Liddell.—Baltimore.
Norvin Rudolf Lindheim.—Student of Law, Columbia.
Leonard Leopold Mackall.—Student in Germany.
T. Hartley Marshall.—Baltimore.
Reginald Ley McAll.—New York.
Jared Sparks Moore, A. M., Harvard, 1903.—Grad. Student, Harvard.
James Girvin Peters, Graduate in Forestry, Yale, 1903.—Baltimore.
Tobias Noel DeLoughmoe Purcell. —Sykesville, Md.
Robert Bruce Roulston, (F).— Fellow by Courtesy.
Frank Peyton Rous.—Medical Student.
James Edward Routh.—Grad. Student.
Alexander Van Rensselaer Schermerhorn. —Atty. at Law, Balt.
Wilson Levering Smith.—Student of Architecture, Columbia.
Miltenberger Neale Smull.—Baltimore.
James Carlyle Stevens.—Norfolk, Va.
George Lane Taneyhill, Jr.—Medical Student.
Bayard Turnbull.—Architect, N. Y.
Miller Wingert.—Student of Law, Balt.
Nathan Winslow, M. D., Univ. of Md., 1901.—Physician, Balt.
Arthur Wright.—Asst., Smithsonian Institution. (46)

1901

Ronald Taylor Abercrombie.—Student of Medicine.
Hollis Roswell Baker.—Aberdeen, Md.
Leon Kahn Baldauf.—Student of Medicine.
John Martin Bandel.—Student of Theol., Auburn, N. Y.
Bertram Moses Bernheim.—Medical Student.
Andrew Reid Bird.—Student, Presb. Theol. Sem., Richmond, Va.
John Manning Booker.
Norman Boyer.—Pittsburg, Pa.
John Straith Briscoe.—Baltimore.

Ernest Bonsall Brown.—Dept. of Agric., Washington.
*Alfred William Bruton. **May* 1, 1903.
Mortimer Bye.—Chemist, Balt.
Harry Stephenson Byrne.—Omaha, Neb.
George Cator, Ph. D., 1902.—Balt.
Kosciusko Walker Constantine.— Student of Medicine.
Frederick Richard Dapprich.—Graduate Student, Chicago.
Robert Sergeant Duck.—Baltimore
Aaron Ember, (F), Fellow in Semitics.
Leyburn Grear Fishach.—Baltimore.
John Frederick Gray.
William Hall Harris, Jr.—Student of Law, Balt.
Ernest Cummins Hatch.— Student of Law, Univ. of Md.
Lee Milton Hollander, (F).—Fellow in German.
Walter Isaac Kohn.—Louisville, Ky.
Eugene Joseph Leopold.—Med. Student.
Edward Breckinridge Lowndes.—Balt.
John Gresham Machen.—Stud't, Princeton Theol. Sem.
Robert Brooks Morse.—Student, Mass. Inst. Tech.
Edward Richards Noble.—Student, Gen. Theol. Sem., N. Y.
George Edward Rehberger. — Medical Student.
John Adelbert Riggins.—Student of Law, Univ. of Pa.
Forrest Shreve.—Grad. Student.
William Payne Shriver.—Student, Union Theol. Sem., N. Y.
Guy Everett Snavely.—Grad. Student.
Lindsay Coleman Spencer.—Atty. at Law, Baltimore.
Julian Samuel Stein.—Baltimore.
*Otto Albert Struth. **September* 1, 1902.
Walter B. Swindell, Jr.—Student of Law, Harvard.
James Edward Tyler, Jr.—Student of Law, Univ. of Md.
Henry Michael Warner, Univ. of Wis., 1903.
Augustus Price West.—Grad. Student.
Horace Slingluff Whitman.—Atty. at Law, Balt.
Marcus Wilton Wolf, Jr.—Student of Law, Univ. of Md. (43)

1902

Edward Bailey Beasley.—Med. Student.
Henry Beeuwkes.—Med. Student.
Elbridge Palmer Bernheim.—Louisville, Ky.
William Jackins Buttner.—Md. Steel Co., Sparrow's Pt.
John Gorsuch Campbell.—Instructor, St. James School, Md.
Robert Treat Crane.—Univ. Scholar.
Albert Goucher Dew.—Student of Theol., Boston Univ.
Ross Miles Diggs.—Baltimore.
Joseph Townsend England.—Student of Law, Univ. of Md.; Grad. Student.
Horace Clendenin Gillespie.—Phila.
John Sharshall Grasty.—Grad. Student.
Frederick Lee Guggenheimer.—Balt.
Rev. John Phelps Hand.— Clergyman, Baltimore.
Henry Honeyman Hasen.—Med. Student.
Louis Foltat Hildebrandt.—Univ. Schol.
William Bryant Hill.—Baltimore.
William Edwin Hoffman, Jr.— Grad. Student.
William Kirk, (F).—Fellow in Economics.
William Howard Koppelman.—Student, Mass. Inst. of Tech.
David Israel Macht.—Student of Medicine.
Ogle Marbury.—Student of Law, Univ. of Md.
Charles Markell, Jr.—Student of Law, Univ. of Md.
Bartgis McGlone.—Instructor, Biol. and Geol., Ill. Wesleyan, Bloomington.
Robert Emory Moore.—Med. Student.
Lyman Clements Murphy.—Med. Student.
Charles Augustus Myers.— Grad. Student.
John Norris Myers, Jr.—Baltimore.
Marbury Bladen Ogle.—Instr., Lang. and Hist., S. Tacoma, Wash.
Aubrey Pearre, Jr.—Student of Law, Harvard.
Isaac Rosenbaum Pels.—Med. Student.
Thomas Coulson Pinkerton.— Student, Mass. Inst. Tech.
Milton Williams Powell.
Benjamin Swayne Putts.—Med. Student.
Charles Frederick Ranft.— Grad. Student.

Walter Ford Reynolds.—Grad. Student.
Jacob Abner Sayler, Jr.—Student of Law, Harvard.
William Christian Schmeisser.—Balt.
Ralph Carlton Sharretts.—Student of Law, Univ. of Md.
Lloyd Parker Shippen.—Med. Student, Univ. of Pa.
Gibson Emerson Sisco.—Fort Wayne, Ind.
John Aydelotte Slemons.—Baltimore.
Sidney Smith.—Student of Law, Harvard.
Harvey Brinton Stone.—Med. Student.
Henry Philip Straus.—Grad. Student.
Solomon Strouse.—Student of Medicine.
Samuel Wolman.—Student of Medicine.
Peregrine Wroth, Jr.—Medical Student.
(47)

1903

John Armstrong Addison.—Grad. Student; Sec. Y. M. C. A.
Louis Adelsdorf.—Baltimore.
William Wetherall Ammen.— Student, Mass. Inst. Tech.
Harry Norman Baetjer, Law Student, Univ. of Md.; Grad. Student.
Arthur Newsom Baldauf.
Edgar Sutro Bamberger.—New York.
William Sellman Bird.—Grad. Student.
Frederick Conrad Blanck.—Grad. Student.
Solomon Blum.—Grad. Student.
James Wallace Bryan.—Law Student, Univ. of Md.
Jenks Cameron.—Law Student, Balt.
James Bayard Gregg Custis, Jr.—Student, Homeopath. Med. Coll., N. Y.
Alphonse Raymond Vivian Doches. — Med. Student.
Theodore Wesley Glocker.— University Scholar.
John Alan Haughton.—Grad. Student.
Franklin Haslehurst, Jr.—Med. Student.
Moses Walton Hendry.
John Coffey Hildt.—Univ. Scholar.
Eben Charles Hill.—Med. Student.
Richard Curson Hoffman.—Pa. Steel Co., Steelton, Pa.
Stuart Cator Hopper.—Baltimore.
Robert Sampson Lanier.—New York.
Charles Alexander Marshall.—Baltimore.
Rev. Benjamin Wilcher Meeks.—Clergyman, Balt.; Grad. Student.
McHardy Mower.—Student of Law, S. C. Coll., Columbia.
William Urwick Murkland.—University Scholar.
John Marbury Nelson, Jr.—Baltimore.
Rev. Robert James Nicholson.—Clergyman, Balt.
Robinson Cator Pagon.—Baltimore.
William Turner Parsons.—Med. Student.
Eugene Leo Pessagno.—Med. Student.
Harry Ward Plaggemeyer.—Med. Student.
Charles Woodward Riley.— Med. Student.
Charles Albert Robinson, Jr.—General Electric Co., Schenectady.
Edgar Poe Sandrock.—Med. Student.
Joseph Tate Smith, Jr.—Univ. Scholar; Med. Student.
Wilton Snowden, Jr.— Law Student, Univ. of Md.
Philip Rayner Straus.—Student, School of Mines, Columbia.
George Drayton Strayer.—Student, Teachers Coll., Columbia.
Charles Henry Stubenrauch.—University Scholar; Med. Student.
Harry King Tootle.—Student of Law, Wash. Univ.
George William Townsend.— Student, Lehigh.
James de Lancey Ver Planck.—Fishkill, N. Y.
Harry Augustus Warner.— Student, Princeton.
Milton Charles Winternitz.—Med. Student.
Alexander Yearley, 3d.—Law Student, Univ. of Md.
(46)
(802)

II. Proficients in Applied Electricity

When the institution is not named, this university is to be understood. (F) indicates that the person has held a fellowship here. *—Died.

1889

Cary Talcott Hutchinson, (F), Ph. B., Wash. Univ., 1886; Ph. D., 1889, Acting Assoc. Prof. Elec., 1898-99.—Consulting Eng., N. Y.

Joseph Lee Jayne, U. S. Naval Acad., 1882.—Lieut., U. S. Navy; Bureau of Elec., Navy Dept., Wash.

Henry Haxlehurst Wiegand, A. B., 1885.—Elec. Eng., Balt.

*Gilbert Wilkes, U. S. Naval Acad., 1881; Lecturer, Univ. of Wis., 1892-94. (4)

1890

William Julian Albert Bliss, A. B., Harvard, 1888; Ph. D., 1894; Instr., Woman's Coll., Balt., 1894-95.—Coll. Prof. Physics.

James Shaler Hodges, A. B., 1886.—Elec. Eng., Balt. (2)

1892

*Ezra Carl Breithaupt. *January 27, 1897.

William Hand Browne, Jr., A. B., 1890; Instr., Univ. of Neb., 1896-98; Asst. Prof., Univ. of Ill., 1898-1902.—Tech. Ed., *Electrical Review*, N. Y.

*Henry Wakefield Frye, A. B., Colby, 1889. *June 20, 1895.

George Henry Hutton, Jr.—Balt.

Robert Ernest Hutton.—Instr., Elec., Wash. and Lee, Lexington, Va.

Norman Crawford McPherson, A. B., Pa. Coll., 1889.—Hagerstown, Md.

Hugh Pattison.—Pa. Steel Co., Harrisburg.

Charles William Waldner, (F), A. B., 1896, Ph. D., 1898, Asst., 1898-99; Instr., Williams, 1899-1901.—Physicist, Bureau of Standards, Wash.

Arthur Judson Warner, A. B., Marietta, 1889.—San Francisco, Cal. (9)

1893

Louis Minturn Aspinwall.—Westinghouse Elec. Co., Pittsburg.

Shellman Baer Brown, A. B., 1891.—Engineer, Annapolis, Md.

Sidney Hand Browne, A. B., 1891.—Elec. Eng., Pittsburg.

Eugene Russell Carichoff, A. M., Wash. and Lee, 1885.—Sprague Elec. Co., N. Y.

Howard Waters Doughty.—Fellow in Chemistry.

Harold Mills Dyar, Ph. B., Marietta, 1888.—Civil Eng., Fort Meade, S. D.

Irenus Kittredge Hamilton, S. B., Trinity, Conn., 1891.—Chicago, Ill.

William Winder Handy, S. B., Haverford, 1891.—Elec. Eng., Balt.

Charles Roy McKay.—Sprague Elec. Co., N. Y.

William Robinson Molinard.

*Arthur Lacy Reese. *March 12, 1894.

Arthur John Rowland.—Prof. Elec. Eng., Drexel Inst., Phila.

William Frederick Schuls, E. E., Univ. of Ill., 1890.—Elec. Eng., Balt.

Robert Isaac Todd.—Gen. Manager, Cincinnati Traction Co.

John Boswell Whitehead, Jr., A. B., 1898, Ph. D., 1902.—Assoc. Electricity. (15)

1894

William Pierce Anderson. A. B., Harvard, 1892.

John Woodside Corning.—Elec. Eng., Boston.

Lewis Warrington Cottman.—Balt.

Harvey Cavendish Darrell.—Balt.

Peter Conover Hains, Jr., U. S. Naval Acad., 1893.—U. S. Artillery, Ft. Riley, Kan.

Stephen Quentin Hayes, A. B., Georgetown, D. C., 1892.—Westinghouse Co., Pittsburg.

Douglas Alexander Howard, U. S. Mil. Acad., 1878.—Captain (retired), U. S. A.

Andrew Ellicott Maccoun.—Electrician, Carnegie Steel Co., Pittsburg.
James Warren McCrosky, S. B., Univ. of Neb., 1891.—Electrician, Buenos Ayres.
Henry Hutchinson Norris, M. E., Cornell.—Asst. Prof. Elec. Eng., Cornell, Ithaca, N. Y.
Charles Edward Phelps, Jr.—Chief Eng., Elec. Commission, Balt.
Alfred Magill Randolph, Jr., A. B., 1891.—Elec. Eng., Manchester, Eng.
Samuel Reber, U. S. Mil. Acad., 1886. —Colonel, and Instr., Signal Service, U. S. A.
Franklin Roberts.—Elec. Eng., Balt.
Theodore Straus.—Baltimore.
John Saunders Taylor.—Atty. at Law, Norfolk, Va.
Frank McStocker Thomas.—Electrician, Philadelphia.
Wallace Durant White.—Baltimore.
James Watts Young.—Electrician, Phila. (19)

1895

Harry Bissing, A. B., 1895.—Electrical Engineer, N. Y.
Byron Briggs Brackett, A. B., Syracuse, 1890; Ph. D., 1897; Instr., Union, 1897-98, Wash. High School, 1898-1900, Rutgers, 1900-03.—Instructor, Electr., Clarkson School of Tech., Potsdam, N. Y.
Benjamin Harrison Branch.—Gen. Elec. Co., Schenectady, N. Y.
Edson Fessenden Gallaudet, A. B., Yale, 1893; Ph. D., 1896; Instr., Yale, 1896-1900.—Engineer, Cramp Works, Philadelphia.
George Henry Hill, A. B., Williamsport Dickinson Sem., 1891.—Gen. Elec. Co., Schenectady, N. Y.
Alexander McIver, Jr., A. B., Univ. of N. C., 1890.—Gen. Elec. Co., Schenectady, N. Y.
Joseph Mullen, Jr.—Elec. Eng., Petersburg, Va.
Charles Reutlinger.—Elec. Eng., Balt.
John Jacob Rothermel, A. B., Franklin and Marshall, 1893.—Instr., Physics, Wash. High School.
Frank Semple Wilcox, S. C. Mil. Acad., 1893. (10)

1896

Matthew Maury Corbin.—Gen. Elec. Co., Schenectady, N. Y.
Isidor Deutsch.
Hugh Miller Fraser, S. B., Ky. State, 1889.—Electrician, Lexington, Ky.
James Holdsworth Gordon, Jr.—Electrician, N. Y. Telephone Co.
Horace Marshall Harriman, Jr.—Elec. Eng., Balt.
Malcolm Wescott Hill.—Elec. Contractor, Baltimore.
George Harwood Hodges.—Electrician, N. Y. Telephone Co.
Jasper Alan McCaskell, S. B., Loyola, 1895; E. M., Columbia, 1900.—Chicago.
George Stevens Maynard, A. B., 1894. —Gen. Elec. Co., Schenectady, N. Y.
Henry Todd Powell.—Elec. Eng., Balt.
Charles Leonard Reeder.— Consulting Eng., Balt.
Martin Schwab.—Elec. Eng., Balt.
James Mowton Saunders Waring.—Elec. Eng., Balt. (13)

1897

Wyatt Hamilton Allen, Ph. B., Yale, 1896.—Elec. Eng., N. Y.
Joseph Hockman Bowman, A. B., Franklin and Marshall, 1893.—Engineer, Tonala, Mexico.
Walter Herman Eisenbrandt.—Electrical Engineer, Balt.
David Sterrett Pindell, A. B., 1895. (4)

1898

George Edward Bartell.—Baltimore.
William Burke Brady, M. E., Lehigh, 1897.—Elec. Eng., Brooklyn.
*Edmund Frank, S. B., Rose Polytech., 1897. **July*, 1901.
William Schofield Gorsuch, Jr.—Elec. Eng., Balt.
Richard Cameron Haldeman, A. B., Yale, 1896.—Westinghouse Co., Pittsburg.

William Lemmon Hodges.—Electrician, Philadelphia.

Ferdinand Brauns Keidel.—Gen. Elec. Co., Schenectady, N. Y.

Bertram Motter Kershner.—Elec. Eng., St. Louis.

Charles J. Spencer.—Electrician, N. Y. (9)

1899

James Robert Charlton Armstrong, A. B., 1899.—Gen. Elec. Co., N. Y.

Robert Buchanan Beale, S. B., Md. Agric., 1896.—Gen. Elec. Co., Schenectady, N. Y.

Reinier Koller Beeuwkes.—Electrician, N. Y.

William Trout Everett.

James William Swaine.—Elec. Eng., Baltimore. (5)

(90)

LIBRARIES

1. The UNIVERSITY LIBRARY numbers over 115,000 bound volumes, selected with special reference to the instruction here given. It is arranged in several collections, of which these are the chief:

General Reference.	Classical.
Historical and Political.	Oriental Languages.
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Chemical.	The McCoy Art Library.
Biological.	Medicine.
Geological.	Physiology and Anatomy.

The reference library and reading room is open daily from 9 a. m. to 6 p. m.; the other rooms in accordance with special regulations.

The library receives the publications of the leading scientific societies of the world and the chief literary and scientific periodicals. The whole number of serials received exceeds one thousand. This list is supplemented by those of the Peabody Institute and other institutions, so that the whole number of journals accessible (exclusive of ephemeral publications) exceeds twelve hundred. Important books are received by the library as soon as published, by purchase or by the courtesy of dealers.

2. The PEABODY LIBRARY is a choice collection of books purchased since 1866. It is particularly full in academic transactions, long historical series, and costly illustrated books. It numbers 149,000 volumes, well bound, catalogued, and arranged. It is open daily, without charge, from 9 a. m. to 10.30 p. m.

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4. The MARYLAND HISTORICAL SOCIETY LIBRARY contains 40,000 volumes of historical works, and is open daily.

5. Other libraries of Baltimore are the New Mercantile Library (70,000 volumes), the Bar Library (20,000 volumes), the Medical and Chirurgical Library (14,000 volumes), the Maryland Diocesan Library (32,000 volumes).

6. Washington is so near that its museums and libraries may be easily visited. Among the chief institutions of interest to students are these:

The Library of Congress.
The Smithsonian Institution and National Museum.
The Army Medical and Surgical Museum and Library.
The U. S. Coast and Geodetic Survey.
The U. S. Geological Survey.
The U. S. Naval Observatory.
The Libraries of the Departments and Bureaus.
The Corcoran Art Gallery.

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I. The Treasurer's Office is open daily from 9 a. m. to 4 p. m.

II. All bills should be presented at that place, endorsed as correct by the person under whose authority the expense has been incurred.

III. No member of the academic staff is allowed to incur a bill in the name of the university, unless authority is given for the same by the Trustees, in advance—either as an item in the annual budget, or as a special appropriation. Blank forms of application are provided for special requisitions.

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All goods must be consigned to and addressed "The Johns Hopkins University, Baltimore, Md." Goods for other parties (societies or individuals) must not be included in the university cases. Invoices, sworn to before the U. S. Consul, must be sent by mail, and a duplicate invoice by the following mail, both addressed to The Johns Hopkins University.

Unless otherwise ordered, goods from Europe should be sent as follows:

From Germany by the North German Lloyd steamers sailing for Baltimore from Bremen; from England by steamship lines from Liverpool to Baltimore; from France and Italy, via Havre and Liverpool.

Printed copies of instructions to shippers, which can be obtained at the Treasurer's Office, should in all cases be enclosed with the orders.

V. The Treasurer's Office will make purchases, at wholesale rates, of supplies which are required for the current needs of the university.

VI. Such pass books as are authorized by the Treasurer should be presented for balance and settlement every month.

VII. The wages of all persons employed by the university will be paid at the Treasurer's Office.

VIII. When C. O. D. packages are expected, previous arrangements should be made for their reception.

IX. Outlays made for individuals (express parcels, postage, telegraph messages, etc.) should be settled at once.

X. An annual allowance is made by the Trustees, in the budget, for such expenses as they approve, and in deciding on the items they are governed by a consideration of the general interests of the university, as well as by the needs of special branches of instruction. Balances to the debit or credit of any account are carried forward to the new account at the opening of each financial year (September 1). A statement of the amount of the balance and of any additional appropriation will be communicated to the parties severally interested, if requested, after the Trustees' meeting in October.

PUBLICATIONS ISSUED AT THE JOHNS HOPKINS UNIVERSITY

I. American Journal of Mathematics

This journal was commenced in 1878, under the editorial direction of Professor Sylvester. Professor Frank Morley is now the Editor. Twenty-five volumes of about 400 pages each have been issued, and the twenty-sixth is in progress. It appears quarterly. Subscription $5 per year. Single numbers $1.50. A very few complete sets remain. These will be sold for $125 per set.

II. American Chemical Journal

This journal was commenced in 1879, with Professor Remsen as Editor. Thirty volumes have been issued, and the thirty-first is in progress. This journal appears monthly. Two volumes of six numbers and of about 500 pages each are issued yearly. Subscription $5 per year. Single numbers 50 cents.

III. American Journal of Philology

The publication of this journal commenced in 1880, under the editorial direction of Professor Gildersleeve. Twenty-four volumes of about 500 pages each have been issued, and the twenty-fifth is in progress. It appears four times yearly. Subscription $3 per volume. Single numbers $1.

IV. Studies from the Biological Laboratory

The publication of these papers commenced in 1879, under the direction of Professor Martin, with the assistance of Professor W. K. Brooks. Five volumes of about 500 pages, octavo, and 40 plates each, have been issued.

V. Studies in Historical and Political Science

The publication of these papers was begun in 1882, under the editorial direction of Professor H. B. Adams. Dr. Vincent, Dr. Willoughby, and Dr. Hollander are now the editors. Twenty-one series are now completed and the twenty-second series is in progress. A number of extra volumes have also been issued. Subscription $3 per volume. The set of twenty-one regular series will be sold for sixty-three dollars.

VI. Memoirs from the Biological Laboratory

These monographs are issued under the editorial direction of Professor W. K. Brooks. Volume V is now complete. Price for the set of five volumes thirty-five dollars.

VII. Johns Hopkins University Circular

The publication of these Circulars began in December, 1879, and 168 numbers have since been issued. Subscription $1.00 per year.

VIII. Contributions to Assyriology and Comparative Semitic Philology

The publication of this journal was begun in 1889. Professor Paul Haupt, of the Johns Hopkins University, and Professor Friedrich

Delitzsch, of the University of Berlin, are the editors. Volume V is in progress.

IX. Reprint of Economic Tracts

Professor J. H. Hollander, editor. First Series, 1903, $1.50; Second Series, $1.00.

X. The Johns Hopkins Hospital Reports

These reports are edited by the Medical Faculty of the university and published for the Johns Hopkins Hospital. Their publication was begun in 1890. Volume XII is in progress. Price $5 per volume. The set of eleven volumes will be sold for sixty dollars.

XI. The Johns Hopkins Hospital Bulletin

The publication of this Bulletin began in 1889. It is published monthly. Volume XV is in progress. Subscription $2.00 per year. The set of fourteen volumes will be sold for seventy-five dollars.

XII. Modern Language Notes

This journal is edited by Professor A. M. Elliott and his associates in the Modern Language Department. It appears monthly. The nineteenth volume is in progress. Price $1.50 per year.

XIII. The Journal of Experimental Medicine

The publication of this journal was begun in 1896. Professor W. H. Welch is the principal editor. Volume VI is in progress. Price $5 per year. The set of six volumes will be sold for thirty-five dollars.

XIV. American Journal of Insanity

This journal is under the direction of Professor Henry M. Hurd as editor in chief. It appears quarterly. Subscription $5 per year.

XV. Terrestrial Magnetism and Atmospheric Electricity

This journal is edited by Dr. L. A. Bauer. It appears quarterly. Volume IX is in progress. Subscription $2.50 per year.

XVI. Reports of the Maryland Geological Survey

These reports are under the editorial direction of Professor W. B. Clark, Director of the Survey.

XVII. Reports of the Maryland Weather Service

These reports are under the direction of Professor William B. Clark, Director of the Service.

XVIII. Annual Report

Presented by the President to the Board of Trustees, reviewing the operations of the university during the past academic year.

XIX. Annual Register

Giving the list of the officers and students and containing detailed statements as to the regulations and work of the university.

Announcements of the Graduate, Collegiate, and Medical Courses of Instruction are issued yearly and will be sent on application.

Some of the principal separate publications issued by the Johns Hopkins Press are:

THE PHYSICAL PAPERS OF HENRY A. ROWLAND. 716 pages, royal octavo. $7.50.

PHOTOGRAPHIC REPRODUCTION OF THE KASHMIRIAN ATHARVA-VEDA. Edited by Professor Bloomfield. 3 vols., folio. $50.

STUDIES IN HONOR OF PROFESSOR GILDERSLEEVE. 527 pages, octavo. $6.00.

PHOTOGRAPHS OF THE NORMAL SOLAR SPECTRUM. By Professor H. A. Rowland. Set of ten plates, $20.

A NEW CRITICAL EDITION OF THE HEBREW TEXT OF THE OLD TESTAMENT. Now in progress. Prospectus on application.

A COMPLETE FACSIMILE EDITION OF THE TEACHING OF THE APOSTLES. 110 pages quarto and 10 plates. $5.00.

REPRODUCTION OF A SYRIAC MANUSCRIPT OF THE ANTILEGOMENA EPISTLES. 17 phototype pages. $3.00.

DESCRIPTION OF THE JOHNS HOPKINS HOSPITAL. 116 pages, 4to, and 56 plates. $10.

SELECTIONS FROM THE EARLY SCOTTISH POETS. By William Hand Browne. $1.25.

A MONOGRAPH OF THE GENUS SALPA. By W. K. Brooks. 400 pages and 57 plates. $7.50.

THE FINANCIAL HISTORY OF BALTIMORE. By J. H. Hollander. 400 pages, 8vo. $2.00.

CUBA AND INTERNATIONAL RELATIONS. By J. M. Callahan, 503 pages, 8vo. $3.00.

THE AMERICAN WORKMAN. By E. Levasseur (translation). 540 pages, 8vo. $3.00.

THE DIPLOMATIC RELATIONS OF THE UNITED STATES AND SPANISH-AMERICA. By John H. Latané. (The Albert Shaw Lectures on Diplomatic History.) 294 pages, 12mo. $1.50.

THE DIPLOMATIC HISTORY OF THE SOUTHERN CONFEDERACY. By J. M. CALLAHAN. (The Albert Shaw Lectures on Diplomatic History.) 304 pages, 12mo. $1.50.

STUDIES IN TYPHOID FEVER. By William Osler and others. Series I, II, III. 776 pages, 8vo. $5.00.

THE MALARIAL FEVERS OF BALTIMORE. By W. S. Thayer and others. 280 pages, 8vo. $2.75.

STUDIES IN STATE TAXATION WITH PARTICULAR REFERENCE TO THE SOUTHERN STATES. 254 pages, 8vo. $1.25.

BIBLIOGRAPHIA HOPKINSIENSIS. A list of publications by members of the university. Now in progress.

DISSERTATIONS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN THE JOHNS HOPKINS UNIVERSITY.

POEMA DE FERNAN GONÇALEZ. Critical Text by C. Carroll Marden. 274 pages, 8vo. $2.00.

THE TAILL OF RAUF COILYEAR. Edited by William Hand Browne. 164 pages, 8vo. $1.00.

BALTIMORE LECTURES ON MOLECULAR DYNAMICS AND THE WAVE THEORY OF LIGHT. By Lord Kelvin. 8vo. $4.50.

Scientific Societies

1. The Scientific Association, meeting monthly, under the presidency of Professor Ames.

2. The Philological Association, meeting monthly, under the presidency of Professor Gildersleeve.

3. The Historical and Political Science Association, meeting fortnightly.

4. Naturalists' Field Club, which makes weekly excursions during the spring and autumn and holds monthly meetings for the presentation and discussion of papers.

There are also companies which meet weekly in the laboratories for the reading of the scientific journals, and seminaries in several departments of study.

Historical Statement

The Johns Hopkins University was founded by the munificence of a citizen of Baltimore, Johns Hopkins, who bequeathed the most of his large estate for the establishment of a University and a Hospital.

1867, August 24.	Incorporation of the Johns Hopkins University.
1870, June 13.	Organization of the Board of Trustees.
1873, December 24.	Death of the Founder [born May 19, 1795].
1874, February 6.	First Business Meeting of the Trustees.
1874, December 30.	Election of a President of the University.
1876, February 22.	Inauguration of President Gilman.
1876, October 3.	Instruction of students began.
1886, April 26.	Celebration of the Tenth Anniversary.
1889, May 7.	Opening of the Johns Hopkins Hospital.
1893, October 1.	Opening of the Medical Department.
1894, October 1.	Opening of McCoy Hall.
1901, February 22.	Resignation of President Gilman.
1901, June 3.	Election of President Remsen.
1902, February 21, 22.	Celebration of the Twenty-fifth Anniversary.
1902, February 22.	Inauguration of President Remsen.
1902, February 22.	Gift of a New Site for the University.
1902, July 1.	Gift of a Million-Dollar Endowment Fund.

STATEMENTS IN RESPECT TO THE COURSES OF INSTRUCTION

The Johns Hopkins University offers instruction to the following classes of students:

I. UNDER THE FACULTY OF PHILOSOPHY.

1. College graduates, who may proceed to the degree of Doctor of Philosophy, or may work for longer or shorter periods in the various seminaries and laboratories without reference to a degree.

2. Undergraduate students looking forward to the degree of Bachelor of Arts and following any one of seven parallel groups of study.

3. Students who have not taken a degree and are not looking forward to a degree, but who desire to avail themselves of the opportunities here afforded.

II. UNDER THE FACULTY OF MEDICINE

1. Candidates for the degree of Doctor of Medicine, for whom a four years' course is provided. These candidates must be college graduates, or must give evidence, by examination, that they possess attainments indicated by a baccalaureate degree in arts or science. Women are admitted on the same terms as men.

2. Doctors of Medicine desiring to pursue certain special courses, which are annually announced.

I. FACULTY OF PHILOSOPHY

Advanced and graduate students are received whether they are candidates for a degree or not, and they are permitted to attend such lectures and exercises as they may select. On entering the University they are expected to present their diplomas and certificates from the institutions with which they have been connected, and also letters of introduction. They are not examined by the University for admission, but each instructor satisfies himself of the attainments of those who wish to follow his guidance, before admitting them to his classes.

The professors are free to give personal counsel and instruction to those who seek it; books and instruments adapted to investigation and advanced work have been liberally provided; seminaries limited to a few advanced students have been organized in various subjects; societies devoted to philology, to mathematical, physical, and natural science, and to history and political science, afford opportunities for the presentation of memoirs and original communications, and there are also clubs for the reading and discussion of philological, biological, physical, geological, and chemical papers; during the year courses of lectures are given by resident and non-resident professors on topics to which they have given special attention; the libraries of the Peabody Institute and Maryland Historical Society, founded for the advantage of scholars, are easily accessible; the issuing under the auspices of the Trustees, of publications devoted to mathematics, chemistry, philology, biology, the modern languages, and history brings the University into advantageous connection with other foundations; and the University reading room, which is constantly open, is liberally supplied with new and standard books and with the literary and scientific journals of this and other lands.

Instruction is carried on in the different departments by

methods which vary with the nature of the subject and the character and proficiency of the scholars; but in all alike the end is the same,—that, while the student is becoming familiar with the work prosecuted and the results attained elsewhere, and is adding to his general intellectual culture, he may be encouraged to become himself an independent and original investigator in his chosen field of labor. Within reasonable limits the University will provide such books, apparatus, and material as may be requisite for this purpose.

The principal subjects in which advanced instruction is now provided are these:

Mathematics.
Physics.
Chemistry.
Geology, Mineralogy, and Petrography.
Zoology.
Botany.
Physiology.
Anatomy.
Pathology.
Greek.
Latin.
Sanskrit and Comparative Philology.
Semitic Languages.
Anglo-Saxon and English.
Romance Languages.
German.
History.
Political Economy.
Political Science.
Philosophy and Psychology.

Mathematics

The instruction in Mathematics is at present entrusted to Professor Morley, Dr. Hulburt, Collegiate Professor of Mathematics, and Dr. Cohen, Associate in Mathematics.

The less advanced subjects are nearly the same every year. The more advanced courses vary from year to year, and are so arranged that a student who remains here two or three years may receive continued and systematic guidance in the main lines of modern mathematical research. The subjects of the advanced courses may be broadly classified as follows:

Theory of Numbers, Theory of Finite Groups, Theory of Transformation Groups, Theory of Invariants.

Higher Plane Curves, Line Geometry, Geometry of Circles and Spheres, General Projective Geometry, Differential Geometry.

Theory of Functions of Real Variables, Theory of Functions of a Complex Variable, Theory of Functions of Two Complex Variables; Elliptic Functions, Elliptic Modular Functions; General Automorphic Functions, Abelian Functions, Ordinary Differential Equations, Partial Differential Equations; Calculus of Variations.

Kinematics, Theoretical Dynamics, Theory of the Potential, Theory of Probabilities.

The Mathematical Seminary meets weekly.

Undergraduates are annually instructed in Elementary Analytic Geometry, Theory of Equations, Elements of Projective Geometry, Differential and Integral Calculus, Differential Equations, Solid Analytic Geometry.

A large number of mathematical journals are regularly received, besides the publications of learned societies abroad and at home. Among the journals received are the following (the asterisk indicating full sets):

Journal für die reine und angewandte Mathematik* (Crelle); Journal de Mathématiques pures et appliquées* (Liouville); Comptes Rendus; Mathematische Annalen*; Monatshefte für Mathematik und Physik*; L'Intermédiare des Mathématiciens*; Bulletin des Sciences mathématiques*; Journal de l'École Polytechnique; Annales de l'École Normale; American Journal of Mathematics*; Annali di Matematica*; Giornale di Matematica*; Acta Mathematica*; Archiv für Mathematik und Physik* (Grunert); Zeitschrift für Mathematik und Physik*; Proceedings of the London Mathematical Society*; Bulletin of the American Mathematical Society*; Transactions of the American Mathematical Society*; Bulletin de la Société mathématique de France*; Rendiconti del Circolo Matematico di Palermo*; Quarterly Journal of Mathematics*; Messenger of Mathematics; Annals of Mathematics.*

The University has a collection of about two hundred and thirty geometrical models, illustrating the forms of mathematical solids, surfaces, and curves, their singularities and varieties, and the methods of descriptive geometry by which they are represented on a plane.

The American Journal of Mathematics, founded by

Professor Sylvester, and edited successively by Professor Craig, Professor Newcomb, and Professor Morley, has completed its twenty-sixth volume. Beginning with volume X, there has been published in each volume the portrait of an eminent mathematician. Those so far published, in the order of publication, are as follows: Sylvester, Hermite, Poincaré, Cayley, Klein, Halphen, Lie, Picard, Appell, Fuchs, Darboux, Newcomb, Mittag-Leffler, Salmon, Peirce, Cremona, Noether.

Physics

The instruction in Physics is under the charge of Professor Ames, Director of the Laboratory, with the aid of Professor Wood, Collegiate Professor Bliss, Dr. J. B. Whitehead, and several assistants.

The laboratory is a substantial brick building 117 feet long by 71 feet wide, with five stories besides a basement and a sub-basement, and is so situated as to receive light from all sides. Power and heat are furnished from separate buildings.

The physical apparatus includes an equipment for lectures and demonstrations and a valuable collection of instruments for both elementary work and research. Many of these have been made from special designs, others are standard instruments which have been purchased from European and American makers; all of them have been most carefully selected. Special facilities, in some cases almost unique, are afforded those wishing to carry on investigations in electricity and in light.

The physical and mathematical libraries of the University are now placed in McCoy Hall, where they are easily accessible at any time. The physical section contains complete sets of almost all the physical journals published in this country and abroad, and all the standard

books of the present and the past. About sixty periodicals, English, French, German, and Italian, are received. Certain magazines and books of reference are retained in the Seminary room of the laboratory, where the advanced students can consult them at any moment. This small collection is specially selected each year with reference to the courses of advanced instruction offered that year. Among the magazines kept on file in the laboratory are the following:

Philosophical Magazine, Physical Review, The Astrophysical Journal, Annalen der Physik and Beiblätter, Physikalische Zeitschrift, Journal de Physique, Comptes Rendus, Proceedings and Transactions of the Royal Society of London, the Proceedings of the London Physical Society, L'Éclairage Électrique, and the Electrician (London.)

Through the generosity of a former student, a special collection of spectrum-maps and of books and pamphlets dealing with spectroscopy is now being made, and will be kept in the laboratory for the use of students.

Instruction and facilities for work in the laboratory are offered all classes of students, elementary and advanced. The following is a general view of the courses:

First Year (Minor) Course.—This is intended for students who are beginning Physics, or who have not a sufficient knowledge of the principles of the subject to warrant their undertaking more advanced work. To enter this course a student must be able to use logarithms and must have studied plane trigonometry, at least as far as through the solution of right-angled triangles. The lectures are accompanied by demonstrations; and mechanics, sound, heat, electricity and magnetism, and light are taken up in succession. Recitations on the subjects treated in the lectures are held regularly, and the course continues, four hours weekly, through the year. Along with the lectures the student does regular work in the laboratory, two afternoons a week, performing simple quantitative experiments, which illustrate the facts and principles con-

sidered in the class-room. Written records of lectures and reports of laboratory exercises are required.

Second Year (Major) Course.—This is designed to meet the needs of students who have already taken either the first year's course, or its equivalent, and who wish to pursue further their physical studies. A working knowledge of analytic geometry and calculus is required for admission to this course. The lectures take up both the descriptive and the mathematical side of the subject. Recitations are held regularly, and the course continues, four hours weekly, through the year. The laboratory work of this year occupies two afternoons a week, and includes problems that present greater difficulties, experimental or theoretical, than those of the first year. The student is allowed the choice of work in mechanics and electricity, or in heat and light. Written records and reports are also required in this course.

Advanced Work.—For the instruction of those students who have the necessary preparation, certain lectures are given in Mathematical Physics. There is one course, continuing through three years, which includes Mechanics, Hydrodynamics, Sound, Thermodynamics, Heat Conduction, Physical Optics, Electricity and Magnetism. A second course of lectures is given, in which different subjects are treated in different years. During the year 1903-04, the topics were Physical Optics and Spectroscopy.

These lectures develop the mathematical theory of the subjects; and to follow them the student should have a satisfactory knowledge of differential equations and analytic geometry of three dimensions. Authors like Lord Kelvin, Lord Rayleigh, Maxwell, von Helmholtz, and Poincaré are referred to continually, and the ability to read French and German is absolutely necessary.

There is also a course of instruction, both theoretical and practical, in applied Electricity. This course is intended for graduate students only.

The advanced students meet with the instructors once a week for the discussion of the current physical journals. Carefully prepared reports on various articles are here presented.

The Physical Seminary, to which only the most advanced students are admitted, meets once each week. The work of the seminary consists of two distinct exercises. One is the reading of some physical treatise and a consideration of the problems suggested by it; the other is the presentation of critical papers upon various assigned topics in connection with the courses of lectures.

An effort is made to render the laboratory as useful as possible to advanced students and investigators. Those who are prepared for such work, will have the facilities which it affords placed most freely at their disposal, and will receive all possible assistance.

Chemistry

The instruction in Chemistry is under the charge of Professor Remsen, Director of the laboratory, with the cooperation of Professor Morse, Adjunct Director, Professor Renouf, Dr. Gilpin, Dr. Jones, Associate Professor of Physical Chemistry, and Dr. Waters.

The higher or graduate work is based upon that given in the two years' undergraduate course, and those graduates of other colleges who have not followed courses equivalent to this, begin with that part of the undergraduate work which appears best suited to their needs. The following outline of the work will give some idea of its character.

Undergraduate Courses

Professor Renouf and Dr. Gilpin.

First Year.—I. Three lectures per week by Professor Renouf. The ground covered is approximately that laid down in Remsen's "Introduction to the Study of Chemistry." Toward the close of the year about twenty lectures on organic chemistry are given.

II. One review per week, conducted by Professor Renouf and assistant.

III. Laboratory work from five to six hours weekly, under the guidance of Dr. Gilpin and assistants. The work consists of the experiments given in the text book, simple qualitative analysis, and in the making of certain chemical preparations.

Second year.—I. From October 1 to December 25, four lectures or reviews per week by Dr. Gilpin upon topics in inorganic chemistry.

II. From January 1 to the end of the year, four lectures or reviews per week by Dr. Gilpin on organic chemistry.

III. Laboratory work from five to six hours weekly under the guidance of Professor Renouf. From October 1 to December 25, the students devote themselves to systematic qualitative analysis, while the remainder of the year is given up to the preparation of such organic compounds as will facilitate their progress in course II.

Graduate Courses

Professor Remsen, Professor Morse, Professor Renouf, Associate Professor Jones, and Dr. Waters.

I. Weekly journal meetings, conducted by Professor Remsen.

II. Three lectures weekly throughout the year on organic chemistry, by Professor Remsen.

III. Twice weekly and extending over two years, a course of lectures by Professor Morse on (*a*) sources of error in quantitative measurements and their correction

(about 20 lectures); (*b*) early historical chemistry (about 24 lectures); (*c*) inorganic chemistry (about 80 lectures).

IV. Three lectures per week throughout the year on physical chemistry, by Professor Jones.

V. Laboratory work. (*a*). Qualitative analysis and inorganic preparations under the direction of Professor Renouf. (*b*). Quantitative chemistry under the direction of Professor Morse. About one year is allotted to this work, and the course is so planned as to give the student familiarity with the greatest practicable variety of quantitative operations. (*c*). A course of physical-chemical measurements lasting about two months, under the direction of Professor Jones. (*d*). A course in the preparation of organic compounds, under the supervision of Professor Remsen and Dr. Waters. The work in this direction usually occupies about three months, and has for its object a study of the more important reactions of organic chemistry. (*e*). The original investigation of problems assigned by members of the teaching staff, the results of which—if they are found to have a substantial value for the science—may be used in the preparation of the dissertation for the doctor's degree.

As regards the time required by a graduate student to complete the work for the degree of Doctor of Philosophy, it can only be said that one who has the necessary qualifications can generally do it in three years, after following such a course as that given to the undergraduates of this university who take the two years' course in chemistry. Those who have not had this preparation will generally require a longer time. There are no stereotyped courses leading to the higher degree, and it is impossible to say exactly what must be accomplished to attain it. What is desired is a certain maturity of mind with reference to the science of chemistry, and an ability to deal with chemical problems intelligently. This condition of mind is reached, if reached at all, by long-continued laboratory training

accompanied by careful study of chemical journals and treatises. It may be said finally that the arrangements of the laboratory are made mainly with reference to those who wish to take up the study of chemistry in a broad way, and that those who want short courses in special branches of chemistry are not advised to come here. It is believed that whatever object the student may have in view, whether he intends to teach or to follow some branches of applied chemistry, the best preparation he can have is a thorough training in the pure science.

The American Chemical Journal, edited by Professor Remsen, is now in its thirty-first volume.

Geology

The instruction in Geology is under the direction of Professor Clark, assisted by Professor Reid, Dr. Mathews, Dr. Shattuck, Dr. Fassig, and Dr. Martin.

The courses are offered to both graduate and undergraduate students and consist of lectures, laboratory and field work, and conferences upon topics of current literature.

Lecture Courses.—I. General Geology.—This course is planned to serve as an introduction to all work in geology, for both undergraduate and graduate students, irrespective of the particular department in which they may choose their principal subject. The lectures embrace a general survey of the whole field of geology, and are illustrated by rocks and fossils, by maps and sections, and by lantern views. Excursions are made on Saturdays, during the autumn and spring months, into the surrounding country. During the winter months an afternoon weekly is devoted, in the laboratory, to the exposition of specimens of rocks, fossils, and minerals.

II. Paleontology.—Attention is devoted to both the bio-

logical and geological relations of the important types of the animal and plant kingdom.

III. Historical Geology.—In this course the classification and distribution of the sedimentary rocks are fully considered. The value of fossils in the determination of horizons is explained, and a detailed study made of the geological literature of the different countries of the globe.

[Courses II and III are given in alternate years, if thought desirable.]

IV. Geological Physics.—In this course the size and shape of the earth, the temperature, rigidity, age, magnetic conditions, etc., are discussed; also, geological phenomena, which depend directly upon physical principles, such as volcanoes, earthquakes, geysers, flow of rivers, production of folds, faults, etc.

V. Exploratory Surveying.—The simple methods of determining geographical position; the methods of rapid route-surveying; the use of the plane-table, the camera, etc., are considered with especial reference to travellers and explorers. The principles of map projection are explained. Practical instruction in the use of the instruments is given.

VI. Geological Field Methods.—The practical methods of making geological maps in regions of eruptive, metamorphic and stratified rocks are taken up, and the criteria for recognizing faults, unconformities, etc., are discussed, and applied to working out the structure of a region in the field and to the construction of geological sections.

VII. General Mineralogy.—This course is divided into three parts. The lectures treat of the crystallography, the general physical properties, and the description of mineral species. The laboratory course includes work with crystal models, goniometers, and blow-pipes. Emphasis is laid on the mode of formation and geological occurrence of minerals. The course closes with a discussion of the leading types of rocks.

VIII. Advanced Mineralogy.—The lectures include a full discussion of optical and microscopical mineralogy. Especial attention is given to the behaviour of minerals as constituents of rock masses.

IX. Petrography.—This course includes a discussion of methods and a description of the structures and physical properties of rocks. The second portion of the course is devoted to the special petrography of the igneous rocks, including a study of their various classifications and a discussion of their origin, distribution and literature. The consideration of the more common sedimentary and metamorphic rocks concludes the course.

[Courses VIII and IX are given in alternate years, if thought desirable.]

X. Climatology.—In this course of lectures the topics chiefly considered are: Heat and its distribution over the earth's surface; rainfall and evaporation—their distribution and effects; winds and storms; weather sequences as illustrated by the daily weather charts of the U. S. Weather Bureau; extent to which topography influences the distribution of the climatic elements; variability of climates; organization and methods in statistical meteorology.

XI. Physiographic Geology.—This course deals primarily with the description of topographic forms, and includes a discussion of their origin and classification. The lectures are illustrated with maps, models, and lantern views.

XII. Economic Geology.—This course deals with the theories relating to the genesis of ore deposits and other economic products of a mineral character.

Laboratory Work.—Laboratory courses are arranged to accompany the lectures, while advanced or special students are given the opportunity to carry on fuller investigations upon either described or new materials. For those who plan to carry on original investigations large

series of undescribed materials are accessible, while the immediate region affords exceptional opportunities for further collecting. Several such investigations have already been published, while others are at the present time under way in the laboratory.

Conferences and Student Lectures.—In order that the advanced students may be kept in touch with the most recent investigations in geology, weekly conferences are held at which the leading geological journals are reviewed by the students under the direction of the instructors. In order that the students may likewise have the experience necessary for the successful preparation and delivery of class-room lectures, a course upon some phase of geology is arranged each year, a special topic being assigned to each student.

Field Work.—The area of the State of Maryland includes, notwithstanding its comparatively small size, a remarkable sequence of geological formations. The ancient rocks of the earth's crust, as well as those still in the process of deposition, are found, while between these wide limits there is hardly a geological epoch which is not represented. Facilities are afforded for a study of these various geological formations.

During the autumn and the spring, excursions are made Saturdays into the surrounding country, the crystalline areas and the various Cretaceous and Tertiary formations being readily accessible. More extensive excursions are made from time to time into the early Mesozoic and Paleozoic areas of the western portion of the State, and into the highly fossiliferous Tertiary region of the lower Chesapeake Bay. After the student has become familiar with the various regions under the guidance of the instructors, he is encouraged to take up the study of some specified area, where, according to his inclinations, he may carry on investigations upon the older crystalline rocks or the later fossiliferous strata. Several dissertations upon

subjects of this nature have already been presented for the degree of Doctor of Philosophy.

Geological Laboratory and Library.—The Geological Laboratory is situated in Hopkins Hall, and comprises over thirty rooms, large and small. Here are placed the library, apparatus, and collections, which are accessible to the student daily from 9 a. m. to 5 p. m.

In accordance with the custom of the University, those books relating to the work of the geological department are given into its charge, the books of general reference being retained in the University Library. The geological library contains most of the leading journals and works of reference upon geological subjects. It consists of over 6,000 bound volumes and over 10,000 unbound volumes and pamphlets.

In addition to the libraries belonging to the University, the Peabody Library, rich in geological works, is available for the use of students, while books not obtainable in Baltimore may be readily consulted in the libraries of Washington.

Collections and Apparatus.—The collections of the department consist primarily of a large amount of important material brought together from Maryland and adjacent States. It represents all the horizons of the State, being especially rich in crystalline rocks and in Silurian, Devonian, Carboniferous, Cretaceous, and Tertiary fossils. Some of this material has already been described, while much awaits further study. Among the most important of the special collections are the Williams, Lewis, Krantz, Hill, Stürtz, Lehmann, and Allen collections.

The department is also provided with numerous models, photographs and lantern slides, several goniometers, a dissolving stereopticon, more than a dozen microscopes of late design, an electric machine for preparing rock-sections, a complete suite of wooden and glass crystals,

together with other important pieces of apparatus for special work.

State Scientific Bureaus Connected with the Geological Department.—Two scientific bureaus, established by the Legislature and maintained at the expense of the State, are carried on in connection with the geological department. They are the Maryland Geological and Economic Survey and the Maryland State Weather Service. Professor Clark is in charge of both of these organizations, which are concerned in a study of the geology and physical features of the State of Maryland. The work is carried on under his direction mainly by the instructors and students of the department.

Advantages Afforded by Proximity to Washington

Geological Society of Washington.— The advanced students in Geology are members of the Geological Society of Washington, where they have the opportunity of hearing the results of the latest investigations presented by some of the leading workers in the science, and also have the chance to enter into the discussions or offer original papers of their own. The bi-weekly meetings are frequently attended by the instructors and students of the department.

National Geographic Society.—Like opportunities are open to the advanced students of the University to become members of the National Geographic Society. As some of the most distinguished explorers and scientists lecture before this Society, unusual opportunity is presented to hear the results of their researches.

Scientific Collections and Libraries.—The scientific collections and libraries of the Smithsonian Institution, United States National Museum, and United States Geological Survey, as well as the Library of Congress, are accessible to students under certain conditions.

Zoology and Botany

The work in Zoology and Botany is directed by Dr. W. K. Brooks, Professor of Zoology, assisted by Dr. E. A. Andrews, Associate Professor of Biology, Dr. D. S. Johnson, Associate Professor of Botany, Dr. Caswell Grave, Associate in Zoology, Dr. B. W. Barton, Lecturer in Systematic Botany, and other assistants.

Advanced Zoology: Professor Brooks and Associate Professor Andrews.

This course is designed for students who wish to devote themselves to zoology, and for those who select zoology as the chief subject for the degree of Doctor of Philosophy. The work is as follows:

(1). Laboratory work throughout the year. The student is required to verify the results of certain zoological memoirs, which are selected in order to illustrate the application of technical methods, as well as scientific principles, and, also, to study the collateral literature. After he has completed this work the student is allowed more freedom in the selection of subjects.

(2). In 1903-1904, four lectures a week by Professor Brooks on General Embryology, from October 1 to February 1; six lectures by Dr. Grave on Echinoderms, in April.

(3). Zoological Seminary, daily in March, April and May 1904. The work of the Seminary for this year is based upon the *Entwickelungsgeschichte* of Korschelt and Heider.

(4). Zoological and Botanical Journal Club, weekly throughout the year: Professor Brooks, Associate Professors Andrews and Johnson. All graduate students, assistants, and instructors are expected to take part in the meetings of the journal club, and to report upon the current literature of assigned topics.

General Zoology and Comparative Anatomy: Associate Professor Andrews and Dr. Grave.

The work is as follows:

(1). Two afternoons of work in the laboratory, throughout the year, in systematic zoology and comparative anatomy and embryology, or in botany. The student makes careful dissections and drawing of typical forms from most of the principal groups of vertebrated animals, and studies the systematic zoology of the genera and species of one group, either fishes or insects being selected for systematic study. The course also provides training in the collection and preservation of embryological material, in the use of hardening and staining reagents and in the preparation and preservation of serial sections for microscopic study.

(2). Two lectures a week, from the beginning of the year to April 1, on elementary zoology, by Dr. Grave.

(3). Two lectures a week, from the beginning of the year to April 1, on elementary botany, by Associate Professor Johnson.

(4). Four lectures a week, from the Easter recess to the end of the year, on embryology, by Associate Professor Andrews.

Courses 1, 2, 3, and 4, with laboratory work, five hours a week through the year, constitute a "major course," and may be offered as a subordinate subject for the degree of Doctor of Philosophy.

Introductory Course in Biology: Associate Professor Andrews and Dr. Barton.

This course, consisting of four lectures and five hours of laboratory work weekly, throughout the year, is designed as part of the general education of every college student, and is open to all candidates for the A. B. degree, as well as to special students. It is regarded as essential to all students intending to take up the study of medicine, and it (or an equivalent) is required for admission to the

medical department. This course may be taken without previous courses in physics and chemistry, but preparatory training of this character is strongly recommended. It is chiefly a laboratory course of two afternoons a week throughout the year, supplemented by four hours a week of lectures, recitations, and exercises designed to emphasize the more essential truths of biology. In the laboratory, each student studies with the microscope, or dissects, selected plants and animals, from the simpler, such as amoeba and yeast, to the complex, such as the fern, the frog, the flowering-plant, and the rat. He also studies the elements of systematic botany. This course may be offered as a subsidiary subject for the degree of Doctor of Philosophy.

Advanced Botany: Associate Professor Johnson.

(1). Morphology of Plants. Two lectures and two laboratory exercises a week, throughout the year.

(2). Physiology and Histology of plants. Two exercises a week, throughout the year.

(3). Botanical Seminary, twice weekly through the winter term. Schimper's "Plant Geography" formed the basis for the seminary work during 1903-04.

Courses 1, 2, and 3 may be offered as a subordinate subject for the degree of Doctor of Philosophy.

Students of Botany have access to the extensive herbarium and valuable library of Captain J. Donnell Smith, the Schimper herbarium, the Fitzgerald collection of moses, the local collections of the Naturalists' Field Club, and the collection of Cryptogams of the late Dr. Humphrey.

The studies which are carried on in the biological laboratory are supplemented by work at suitable points upon the sea-shore.

One of the ordinary fellowships in the University is usually awarded each year to a graduate student in

zoology, and, in the selection of the Adam T. Bruce Fellow, preference is given to those who have held ordinary fellowships in zoology.

One of the graduate students of zoology may be appointed each year to occupy, during the summer months, the university table at the laboratory of the United States Fish Commission at Wood's Hall.

Whenever researches, or parts of researches, which have been carried on in the laboratory, are completed and ready for publication, the University Circulars provide for the prompt publication of abstracts of the results.

Students looking forward to the degree of Doctor of Philosophy may offer zoology as a principal or as a subordinate subject, but if they have not already pursued studies equivalent to the undergraduate courses in this laboratory, they will be required to take these courses.

Physiology

The work in Physiology is directed by Professor W. H. Howell, assisted by Dr. P. M. Dawson and Dr. J. Erlanger, Associates in Physiology, and Mr. E. G. Martin, Assistant in Physiology. The laboratory is contained in one of the medical department buildings adjoining the hospital, and is well equipped with facilities for demonstrations and special investigations. A course of lectures covering the general and special physiology of the animal body is given each year and is illustrated by a large number of class demonstrations. In connection with this series of lectures, a laboratory course in experimental physiology is offered, extending over a period of twelve weeks and giving the student an introduction to the methods of laboratory technique. A duplicate course, consisting of lectures and laboratory work, has been arranged especially to suit the convenience of graduate students

in the philosophical department. This course is given in the afternoons from January to June. The general courses of lectures are supplemented by advanced lectures given from time to time upon selected topics; by the work of the physiological seminary, which meets at stated intervals for the special study of certain parts of physiology; and by a weekly journal club intended for the presentation and discussion of the material contained in the current periodicals. The details of these courses are given in the programme published each year in the University Circulars.

In addition to the physiological literature contained in the library belonging to the laboratory, publications upon physiology and the related scientific branches of medicine may be obtained conveniently from the libraries of the Medical School, the Medical and Chirurgical Faculty of Maryland, and the Surgeon General's office in Washington.

Students looking forward to the degree of Doctor of Philosophy may offer Animal Physiology as a principal or as a subordinate subject. Those who take physiology as a principal subject must present evidence of previous training in physics equivalent to the minor undergraduate course in this University, in chemistry equivalent to the minor and major undergraduate courses, and in biology equivalent to the minor and major undergraduate courses. No preliminary requirements are made for those offering Physiology as a subordinate subject.

The laboratory is open also to special students, graduates in medicine and others, who may wish to undertake laboratory investigations, or who desire to become acquainted with the use of physiological apparatus and the methods of demonstration and research.

Anatomy

The work in this department is in charge of Dr. Franklin P. Mall, Professor of Anatomy, with the cooperation of Dr. Ross G. Harrison and Dr. Charles R. Bardeen, Associate Professors of Anatomy, Dr. Warren H. Lewis and Dr. Florence R. Sabin, Associates in Anatomy, Dr. Henry McE. Knower, Instructor in Anatomy, and Dr. Augustus G. Pohlman and Dr. George L. Streeter, Assistants in Anatomy.

Courses of instruction are provided in the various anatomical sciences—systematic human anatomy, histology, microscopic anatomy, and embryology,—and opportunities are afforded for advanced work and original investigation in these sciences.

The systematic courses of instruction are given in two groups of parallel courses, from October 1 to March 15. The first of these groups includes histology, microscopic anatomy, and neurology; the second embraces the subject of gross systematic human anatomy. These courses are designed primarily for the medical students of the university, but are open to other students who are properly qualified. A more detailed description of them will be found in the announcement of the medical department.

The Anatomical Laboratory is a large building, three stories high, having been constructed especially for the teaching of anatomy and for investigation in this subject. The modern machines and apparatus likely to be needed have been provided. Rooms and apparatus for animal experimentation, mechanism of convenience for drawing and reconstruction, projection apparatus, photomicrographic outfit, and apparatus for work at low temperatures are at hand. Facilities are afforded for the artistic illustration and publication of the results of researches leading to discoveries of importance. Every encouragement is given to suitably-trained individuals who desire to undertake original investigation, either under direction or independently.

Pathology

The Pathological Laboratory is a building of four stories on the grounds of the Johns Hopkins Hospital, with which it is connected. The autopsy theatre is in this building, which includes also rooms for pathological histology, bacteriology, experimental pathology, and private work. The museum contains a useful collection of morbid specimens.

The libraries of the Johns Hopkins Hospital and the Medical Department close to the laboratory contain a large number of books of reference and receive regularly the chief medical and pathological journals.

Facilities are offered for elementary and advanced study in general and special pathological anatomy, general pathology, and bacteriology. The instruction in Pathology and Bacteriology is given by Professors Welch and MacCallum and Drs. Opie, Marshall, Ford, and Bunting.

The instruction in pathology and bacteriology for matriculates in the medical department continues throughout the second year of the regular medical course. It includes general pathology, gross morbid anatomy, pathological histology, the technique of post-mortem examinations, and practical bacteriology. The course in bacteriology extends from the first of October to the Christmas vacation, and that in pathology throughout the rest of the academic year. The laboratory work occupies three half-days a week.

A course in pathological histology for physicians is given by Professor MacCallum and assistants during the months of May and June. This course presupposes a knowledge of normal histology. In connection with the course, demonstrations of fresh pathological specimens are made and opportunity is afforded to become familiar with the method of making post-mortem examinations. After the study of inflammation, the pathological his-

tology of the different tissues and organs of the body is taken up in regular order. Microscopical sections are given to be stained, mounted, and carefully studied and drawn. The student is encouraged to do as much independent work as his time will permit.

The instruction in bacteriology is given by Professor Welch, Dr. Ford, and assistants. In addition to the course for matriculates in the medical department, a course in this subject is given to physicians in May and June. Students are taught the preparation of culture media, the principles of disinfection and sterilization, methods of cultivating, staining, and studying bacteria, particularly those of a pathogenic nature, and the biological examination of air, water, and soil. This department is fully supplied with the requisite apparatus and cultures for bacteriological work.

In addition to the regular courses for medical students and physicians, opportunity is afforded for advanced work and special research in pathology and bacteriology. For these purposes the pathological laboratory is well equipped with the necessary apparatus and material. Special subjects for research will be assigned to those who wish and are prepared to undertake original investigation.

Instruction in clinical microscopy is given to physicians, during May and June, in the clinical laboratory.

The pathological laboratory being upon the same grounds with the Johns Hopkins Hospital and Dispensary, the opportunities are convenient and readily accessible for combining clinical studies with the work in pathology.

Three associations, the Hospital Medical Society, the Historical Club, and the Journal Club, meet in the assembly room of the hospital, on each Monday evening, and 'The Laennec,' a society devoted to the study of tuberculosis, holds monthly meetings. The libraries of the university and the hospital are supplied with a large

collection of medical books and periodicals, which are accessible to the student.

The Johns Hopkins Hospital Bulletin, issued monthly, and the Johns Hopkins Hospital Reports contain the proceedings of the hospital societies, articles by the medical staff, and the results of researches conducted in the hospital and the medical laboratories.

Fuller details concerning the courses in pathology, bacteriology and other medical subjects will be found in the Annual Catalogue and Announcement of the Medical Department, which will be sent upon application to the Registrar.

Greek

The graduate instruction in Greek is directed by Professor Gildersleeve, in connection with the Greek Seminary, which consists of the Director, Fellows, and Scholars, and such advanced students as have satisfied the Director of their fitness for an active participation in the work. All graduate students, however, may have the privilege of attending the Seminary exercises.

Each regular member is required to take his turn in the work of the Seminary, and special fields of research are assigned according to progress or bent.

The cycle which has been followed for some years is made up of the Attic Orators, Plato, Aristophanes, and the Greek Historians. For example:

1900-1901.	Attic Orators.	1902-1903.	Aristophanes.
1901-1902.	Plato.	1903-1904.	Greek Historiography.

The methods followed have been described in successive annual reports, which may readily be consulted.

The work in the Seminary during the present year was concentrated on Greek Historiography; for the next year the centre of work will be transferred to the Attic Orators.

In addition to the work of the Seminary (two meetings a week), courses of lectures are given by the Director, by Associate Professor Miller, and by other qualified persons.

Undergraduate students who select the classical group of studies are required to follow the class-work in Greek, four hours weekly through two years. The texts vary from year to year, including selections from poets, historians, and orators. Exercises in Greek composition and in reading at sight are likewise required. To extend the acquaintance of the student with Greek literature, he is obliged to read by himself certain prescribed authors, and to pass an examination upon them. An elective course of two hours a week for a half-year is also provided. The instruction of the undergraduates in Greek is conducted chiefly by Associate Professor Spieker.

The American Journal of Philology, edited by Professor Gildersleeve, has completed its twenty-fourth volume.

Latin

Instruction in Latin is given on a plan similar to that already mentioned as followed in the courses in Greek. The advanced work proceeds through the organization of a Seminary, of which Professor Smith is the Director. The instruction has two distinct ends in view. It aims, first, to give students a wider and more accurate knowledge of the Latin language and literature than can be secured in the ordinary college course, so that they may become more efficient teachers; and, secondly, to train them in the methods of scientific research, so that they may become independent investigators. The most important instrument of training is the Latin Seminary, which meets twice a week. Each year some author or group of authors in a given department of literature is

made the centre of work. Critical methods are taught, interpretations are prepared by members of the Seminary in turn, and papers are read by them containing the results of various special investigations suggested by the taste and proficiency of each. The subjects treated during the last four years are as follows:

1900-1901. The Roman Historians, especially Livy and Tacitus.
1901-1902. The Roman Epic, especially Vergil.
1902-1903. The Roman Drama, especially Plautus and Terence.
1903-1904. The Roman Satire, especially Horace and Juvenal.

Courses of lectures are also regularly given by the Director of the Seminary and from time to time by other qualified persons. For example, in 1903-1904, Professor Smith lectured on the Roman Satire once a week throughout the year. During the first half-year he lectured each week on the Roman elegy, and during the second half-year on the Roman epigram. He also conducted a Journal Club, which met every two weeks to report and discuss recent philological publications in the field of Latin and Greek. Associate Professor Wilson lectured once a week during the year on Latin Epigraphy. The course was accompanied by a series of papers and practical exercises in the interpretation of inscriptions. Throughout the year, he also met the advanced students once a week for rapid reading, with brief comment, of the Roman Satire.

The undergraduate work varies somewhat according to the group of studies elected. The authors read differ year by year, but are so chosen that the student may become acquainted with the different departments of the literature. His work in the classroom must be supplemented by a prescribed course of reading which he follows privately, and on which he undergoes examination. Latin composition and sight reading form a part of the course. An elective course of two hours a week and a course in Roman literature, one hour a week throughout one year, are also provided. Associate Professor Wilson and Dr. Barret assist in this work.

Sanskrit and Comparative Philology

Courses of instruction, directed by Professor Bloomfield, with the assistance of the Fellow or Scholar in Sanskrit, are provided in the Indo-Iranian languages (Vedic and Classical Sanskrit, Pali and Prakrit, Avestan or Zend, and old Persian), in comparative grammar of the Indo-European languages, in historical ethnology of the Indo-European peoples, and in general linguistic science. During the sessions of 1897-99 and 1901-04 courses in the Lithuanian language and literature were given: instruction in one or another of the ancient languages of the Balto-Slavic (Lithu-Slavic) family may be hereafter expected as a regular feature of the work of the department.

These instructions aim to meet the wants of those who wish to devote themselves to the study of these branches exclusively and for their own sake, *i. e.*, those who wish to become specialists in Sanskrit philology or comparative philology; and also the wants of students of languages in general, who wish to obtain a broader linguistic basis for special studies in other departments of philology.

The advanced work aims especially to meet the wants of those who wish to make Indian philology or comparative philology their special study. Instruction is given by practical exercises, lectures, seminary work, and, where possible, the use of native Sanskrit manuscripts. The seminary is furnished with a carefully selected library (including some manuscripts); this has been increased recently by the Stratton Memorial Library, a valuable collection presented by the wife of the late Alfred William Stratton (Ph. D., 1895), and approximately complete sets of the Oriental journals, as well as the journals in comparative philology, are freely accessible in the main library.

A prolonged course in Sanskrit, involving two lectures a week during two years and attendance in the Vedic

Seminary for a half-year (one hour a week), is planned so as to furnish a good knowledge of classical Sanskrit, and to include an introduction into the dialect of the Vedas. This amount of work represents material sufficient for the first subsidiary subject for the degree of Doctor of Philosophy. A course in the same study for one and a half years, involving two hours a week, is the amount required for a second subsidiary subject leading to the same degree.

A synopsis of the courses offered during recent years may be presented under six heads:

I. Courses in the general principles of comparative philology or linguistic science, and on special chapters thereof; lectures on ethnology.

II. Courses in the general comparative grammar of the Indo-European languages; comparative grammar of Sanskrit and Avestan; comparative study of Greek accent; comparative study of Greek, Latin, Sanskrit, and Teutonic, including vocalism, consonantism, noun-formation, and inflections.

III. The Vedic, Sanskrit, and Prākrit dialects; Rig-Veda; Atharva-Veda; literature of the Brāhmanas and Upanisads. The law books of Manu and Yājñavalkya; the Drama Çakuntala and introduction into Prākrit, Hitopadeça, Kathāsaritsāgara, and Nala. Sanskrit grammar and prose composition.

IV. The Pāli language and Buddhist literature.

V. The Avestan language and the sacred books of the Avesta.

VI. The Lithuanian language and literature.

Oriental Seminary

In the Oriental Seminary, of which Professor Haupt is director, both introductory and advanced instruction is provided in Oriental history and archaeology, as well as in the principal Semitic languages, viz., Hebrew (both Biblical and post-Biblical), Biblical Aramaic, Syriac, Arabic (both classical and modern), Ethiopic, Assyrian, etc.; also in Sumerian, Egytian, Coptic, Malay, Tagalog, Visayan, etc. In the organization adopted in 1883, a course of three years was arranged. The centre of the work is the Old Testament, special attention being given

to the critical study of Biblical texts and the cuneiform inscriptions bearing on the Scriptures. Professor Haupt is assisted by Associate Professor Johnston and other competent instructors.

The various courses are adapted to the requirements of four classes of students, namely: (*a*) students of theology wishing to obtain a thorough acquaintance with the sacred tongue and its sister idioms as a means of elucidating Scripture and problems of the comparative history of religion; (*b*) students of linguistics intending to make comparative grammar of the Semitic languages their specialty; (*c*) students of Oriental history and archaeology desirous of drawing directly from the original sources; (*d*) persons looking for instruction in the living Oriental languages (as modern Arabic, Turkish, Persian, Amharic, Malay, Tagalog, etc.), for practical purposes.

In these various courses, the Seminary method is followed throughout, the student being from the first brought face to face with the several idioms without long theoretical introductions. Stress is laid on a thorough grammatical training, imparted in connection with the minute philological analysis of some selected text in the respective languages, or by written exercises in translating from English into Hebrew, Arabic, Syriac, and Ethiopic, or from Hebrew and Arabic into Assyrian, and from Assyrian into Sumerian, etc., printed grammars serving only for occasional reference. There are also exercises in Hebrew and Arabic conversation.

A room has been set apart containing a well-equipped working library for all the branches of Oriental research (including the library of the late Professor A. Dillmann, of Berlin, the Leopold Strouse Semitic Library, a special collection of works on the dialects of the Philippine Islands, etc.) and some advanced students are usually present to help in the preparation for the recitations conducted by the Director of the Seminary, and to furnish

any other aid that may be desired. Near the Dillmann Library, on the same floor, are some archaeological and antiquarian collections, including the Cohen Collection of Egyptian Antiquities, the Sonneborn Collection of Jewish Ceremonial Objects, collections of Hebrew and other Oriental manuscripts, Babylonian seal-cylinders and clay tablets, etc.

English

The instruction in English is given by Dr. James W. Bright, Professor of English Philology, Dr. William Hand Browne, Professor of English Literature, and Dr. Herbert Eveleth Greene, Collegiate Professor of English. Graduate and collegiate courses are provided in conformity with the principles followed in the other language departments. Advanced students are instructed in the technical aspects of linguistic and literary science, and trained in the processes of original investigation.

Graduate Courses

The advanced courses in English are so arranged as to enable a student, in three or four consecutive years, to study with precision all the important departments of grammar and of literature. Instruction is imparted by lectures, by freer conferences, by the methods of the Seminary, and by class-room recitation. The Seminary (four hours a week) constitutes the chief organ of instruction and research. It supplies means for the inculcation of what is presented in the lectures, and for organized and prolonged concentration of effort on selected subjects. Usually the work of the Seminary centres each half-year in a different period of the literature, ranging from Anglo-Saxon times to the present century. The literature of the period studied is investigated as to its sources, the history of its forms and traditions, and its artistic value; and

information, historical and other, is given by the instructor.

6. One hour a week is also given to the study of some important period of literature or group of writers sufficiently characteristic to be regarded as a whole. For the first half-year the Elizabethan writers have usually been taken, including the reading by the class of one play of Shakespeare. For the second half some other period or group is selected.

It will be seen that the undergraduate work in the major and minor courses comprises: the earliest English, or Anglo-Saxon; the transitional literature from the Anglo-Saxon to Chaucer; the great period of Scottish literature between the times of Chaucer and Elizabeth; the great Elizabethans; and some important later period.

Romance Languages

Advanced instruction in Romance Languages is so planned as to cover at least three years, and is directed by Dr. A. Marshall Elliott, Professor of Romance Languages, with the assistance of Associate Professors Marden, Armstrong, and Ogden, and others. The subjects of instruction are divided into three distinct sections: a purely linguistic, a purely literary, and a composite group which is intended to unite the first two. Every one who intends to take a degree in Romance Languages must work in these three lines, which are so arranged as to supplement one another according to the attainments and bent of the student, and which are concentrated, for given periods of the course, on the same linguistic domain. The first year is chiefly spent in preparation for seminary work, to which the student is generally admitted, as an active member, at the beginning of the second year. During this preliminary period a practical knowledge of the

principal Romance languages is acquired (a thorough acquaintance with Latin and modern French being presupposed); a brief survey is given to the history of the science, together with an introduction to the use of scientific methods in language and literature. With this equipment the student is prepared to begin an appreciative scrutiny of special texts with their critical linguistic and literary apparatus. He is taught to handle his materials with discriminating judgment, and, according to his progress, subjects are assigned to him for investigation which tend to develop the patience and accuracy necessary to a careful investigator. In literature, as in language proper, particular attention is given to the origins, while constant reference is made, by way of comparison, to the modern forms. By extensive reading required in connection with the subjects taken up, he is made familiar with the different phases of opinion held by leading European scholars, and is thus enabled to control certain parts of his subject within well-defined limits. After the first year the student is expected to concentrate upon some single line of work within his general field. It will be observed that the student's work in this course is comparative, and that he moves from the general to the particular. In the early part of it, the object is to give a broad basis to work on, by making him so familiar with the principal Romance idioms that he may use them readily, by way of illustration, in his subsequent studies. Dialect study and phonology are made essential features of this plan of studies.

The subjects to which attention has been given in the Seminaries in past years are as follows:

1883-84. Anglo-Norman Dialect and the Oaths of Strasburg.
1884-85. Cantilene de Sainte Eulalie and Fragment de Valenciennes.
1885-86. The Franco-Norman Dialect, with the Vie de Saint Alexis.
1886-87. The Oaths of Strasburg and the Cantilene de Sainte Eulalie.

1887-88. Old French Paraphrase of the Canticum Canticorum and the Fragment de Valenciennes.
1888-89. The Oaths of Strasburg and the Cantilene de Sainte Eulalie.
1889-90. *Reimpredigt:* Grant mal fist Adam.
1890-91. L'Epopée royale: Pèlerinage de Charlemagne.
1891-03. Marie de France: Fables.
1902-03. The French Theatre in the Eighteenth Century. Spanish: *Libre de Apollonio.* Italian: The Earliest Monuments of Italian Literature.
1903-04. French: a. Marie de France: *Fables.* b. The French Theatre in the Nineteenth Century. Spanish: *Libre de Apollonio.* Italian: The Earliest Monuments of Italian Literature.

In addition to the work of the Seminaries, lectures are regularly given: (1) on French phonetics, physiological and historical, (2) on French syntax, (3) on Romance morphology, (4) on French dialects, (5) on Dante, (6) on Old-French palaeography, (7) on the history of French Philology, (8) on the linguistic ethnography of France and Italy, (9) on the sources of Romance Philology, (10) on Popular Latin, (11) on Italian philology and literature, (12) on Spanish philology and literature, (13) on Old-French literature, (14) on Modern-French literature, (15) on Romance versification, (16) on methodology of the Romance languages, (17) on classical French literature.

The special lectures on French, Italian, and Spanish literatures are arranged to run through the whole period of three years, and form an integral part in the training of the student.

A special publication, Modern Language Notes (A. Marshall Elliott, editor in chief), now in its nineteenth volume, is issued monthly by members of the modern language departments, in which are presented the most recent aspects of linguistic and literary research in the modern idioms.

The undergraduate classes in French are conducted by the Associates of the department, under the direction of

the head of the department. Students in Group VII who elect French, follow class work for four hours weekly through two years, during which time they read extensive selections from Modern French texts, and are made acquainted with the general laws of French phonology and morphology. All undergraduates must complete the work of the first of these two years. Private reading is required, varying from year to year according to the authors taken up in class. Courses in Italian and Spanish, similar in arrangement and requirements to those in French, are also provided for undergraduates.

German

This group of studies is under the direction of Professor Wood, with the assistance of Associate Professor Vos, Dr. William Kurrelmeyer, and Mr. Hofmann.

Instruction is provided in German of all periods, and in the earlier development of the other members of the Teutonic family of languages.

In the German Seminary, in which the graduate instruction centres, nearly equal attention is devoted to German literature and German philology. To enter upon the work of the Seminary in literature, the student should possess a knowledge of German equivalent to that imparted in the undergraduate courses hereinafter mentioned, supplemented by private readings. For the seminary work in philology, it is desirable, in addition, that preliminary courses in Gothic and Middle High German should be first completed, and these may be taken with advantage by the student immediately upon entering. All graduate students of German are required to share in both the philological and literary work, and to direct their efforts to the attainment of broad results, which may serve as the foundation of scientific work and of successful teach-

ing; but the Seminary and the allied graduate courses are believed to offer also sufficient opportunity and encouragement for the prosecution of chosen lines of work, whether on the linguistic or the literary side, in accordance with individual capacity and bent. In this way, opportunity for independent research is afforded, within the framework of organized effort directed towards the attainment of results which concern the Seminary as a whole, and towards which each member is expected to contribute his share.

The subjects selected for the Seminary during recent years are as follows:

1897-98. Goethe's Lyrical Poems; Nibelungenlied.
1898-99. Storm and Stress and Early Romanticism; Walther von der Vogelweide.
1899-1900. Goethe's Faust; The Middle High German Court Epic.
1900-1901. Goethe and Schiller (1786-1805); Parzival.
1901-1902. Goethe's Lyrical Poems; Nibelungenlied.
1902-1903. German Literature in the Eighteenth Century; Walther von der Vogelweide.
1903-1904. Goethe's Faust.

The Germanic Society, which meets fortnightly, supplements the work of the German Seminary; before it are presented not only reports on articles in current journals, but also successive results of studies by the members. The chief object of the Society is to foster and guide the aptitude for more sustained individual investigation than the collective work of the Seminary offers scope for. Lists of the more important papers presented are given in the yearly reports.

In addition to the work of the Seminary (three meetings a week), other advanced courses are given. For example, in 1903-1904, Professor Wood gave courses in Gothic and in Old High German, and lectured on the beginnings of modern German classicism. Dr. Vos conducted classes in the History of the German Language and in Middle High German language and literature. A course on Contemporary German Literature was given by Professor T. S. Baker, of the Jacob Tome Institute.

The undergraduate work in German begins with an elementary course, continued through the year, for candidates for matriculation who have entered with Greek. This is followed by the regular work in German during the first college year, a course required of all undergraduates. Nearly equal portions of the German drama and of German literary prose are read. Private readings and weekly exercises in prose composition supplement the class readings.

A briefer course continuing through one year is provided for undergraduates who have matriculated in Greek, and have fully met *at entrance* the matriculation requirements. While no knowledge of German is assumed for this course, the student's previous training in language renders rapid progress in grammar possible. This study is followed during the rest of the year by prose readings, supplemented by elementary prose composition.

Undergraduates in Group VII who elect German, or undergraduates in any of the seven groups who substitute German at this point in their course, pursue the study during a second year. The readings from the classical period are continued in texts of greater difficulty, and instruction is given in the history of German literature and in the writing of German prose.

Elective courses (contemporary literature, German ballads, Goethe's *Dichtung und Wahrheit*) are offered to undergraduates who have completed the work in German of the first college year. A third elective in scientific readings is open to undergraduates who are preparing to enter the medical department.

Classes are also provided in conversational German and in historical and scientific reading, for graduates who lack the ability to read the language at sight.

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work, and for the criticism of the current literature of history and political science.

Dr. Friedrich Keutgen, Associate Professor in the University of Jena, will be a resident lecturer from October 1, 1904, to May 1, 1905. He will give courses in the early history of Germany, France, Italy, and England, with practical exercises in historical research in the same field. The period covered will extend from the emergence of the Teutonic nations into the light of history to their formation into constitutional states. He will also conduct courses in the Diplomatics and Palæography of the Middle Ages. These courses are open also to students of philology.

Dr. James Schouler, author of the History of the United States under the Constitution, gives in successive years short courses of lectures on American political and economic history.

Dr. Bernard C. Steiner, Associate in History, is one of the advisers of advanced students in their original investigations in American History.

Dr. J. C. Ballagh, Associate in History, acts as an adviser to graduate students, and lectures, in successive years, upon connected topics in (1) American colonial history, (2) American institutional history, (3) United States constitutional and political history. He also conducts (4) a conference for research in special subjects in American history, and (5) oral examinations in general history.

In Oriental History students have the advantages of the lectures offered by Professor Bloomfield, of the department of Sanskrit and Comparative Philology, and by Associate Professor Johnston, of the Oriental Seminary.

The Albert Shaw Lectures on Diplomatic History are given annually by investigators in selected fields of American and foreign relations. For 1904-05 the lecturer

is Professor James A. James, of Northwestern University, on the Diplomatic Relations of the United States during the administration of John Adams.

Other lectures of interest to students of this department, either open to the public or designed for class instruction, may be expected from time to time from distinguished scholars outside of the university.

Undergraduate Courses

The undergraduate instruction aims to impart such a knowledge of the essential facts and principles of general history and politics as will contribute towards a liberal education and fit men to pursue advanced courses in special branches of these sciences, with a view to taking the doctor's degree or to entering the work of education, law, journalism, charity organization, or the civil service. This training process is pursued in class courses, where systematic and positive instruction is given by means of required text-books, lectures, essays, oral reports, and constant drill. The undergraduate work extends, in its various sections, over a period of three years (see College Courses, Sixth Group). A course in European Constitutional History, taken in connection with the outlines of Political Economy, is also required of every undergraduate student not in the Historical Group.

The courses are conducted by Dr. Vincent, Dr. Steiner, Dr. Ballagh, and assistants, on the following plan:

First Year: Ancient History,—Greece and Rome.

Second Year: Mediaeval and Modern History of Europe. History and civilization of India, China, and Japan.

Third Year: English and American Constitutional History. European Constitutional History.

Political Science

The graduate work in Political Science is conducted by Associate Professor Willoughby, and is so arranged as to give three years' continuous instruction. In addition to the Historical and Political Science Association, at which the original work of the students is presented and criticized, a fortnightly Seminary is held, at which papers upon special topics, prepared by the students, are read and discussed. During the past two years the problems of colonial government and administration and unsettled points in international law have been specially considered. The lecture work is divided into six courses, two hours weekly, two courses being given each year. These courses, though complete in themselves, are so arranged that the first three give a comprehensive treatment of Constitutional Law, while the last three together cover the entire history of the development of political ideas. The courses are as follows:

(1) *Comparative Public Law.* The theory of the State, the general principles of constitutional and international law, and the more difficult points in the systems of constitutional jurisprudence of the modern European states are discussed. Especial attention is given to composite forms of state life.

(2) *Advanced American Constitutional Law.* For this work a general knowledge of United States political history and constitutional law is presupposed, the lectures being devoted to a discussion of the more perplexing and still unsettled points in our constitutional jurisprudence, and the illustrations being drawn largely from the recent and current decisions of the U. S. Supreme Court.

(3) *The Legal Aspects of Economic and Industrial Problems.* In this course the chief legal points involved in the state regulation of public and private employments are discussed. Among the particular topics treated are: eminent domain, the police power, taxation, interstate

commerce, factory legislation, capitalistic combinations, labor unions, strikes, boycotts, industrial arbitration, bankruptcy, legal tender.

(4) *History of Ancient and Mediaeval Political Theories.* The political ideas and ideals of these times, as revealed in literature, law, and political practice, are analyzed and criticized. Especial effort is made to show the extent to which these theories were the outcome of the objective conditions and general intellectual characteristics of the times in which they were formulated.

(5) *History of Modern Political Theories to the Nineteenth Century.* A continuation of the preceding course.

(6) *History of the Political Theories and Literature of the Nineteenth Century.* A continuation of the preceding course.

Undergraduate instruction in Political Science is given in connection with the undergraduate historical courses, and in the course entitled "Historical Politics" required of all students except those in Group VI.

Political Economy

Graduate Courses

Graduate instruction in Political Economy, under the direction of Associate Professor Hollander, assisted by Dr. Barnett, is designed primarily to meet the needs of advanced students preparing for a professional career in economic science. Such persons meet daily in seminary organization. The courses are planned to afford systematic instruction in general economic principles, intimate acquaintance with special fields of economic activity, and, most important of all, knowledge of and ability to employ sound methods of economic research.

The work centres in the Economic Seminary, the membership of which is limited to the most advanced

students and the primary design of which is to develop scientific spirit in economic study and investigation. The present field of research is the history, structure, and functions of labor organizations in the United States. Individual members are assigned specific aspects of the labor question for study and investigation. In each of such cases, the immediate environment is first studied; thereafter examination is made of conditions in other typical communities until sufficient data for reasonably safe generalizations are obtained. Members of the Seminary showing special capacity for economic investigation in other fields than that selected for collective study are encouraged to continue their inquiries and to present the results for criticism as to method and content.

Formal graduate instruction is offered in (1) Theoretical Economics and (2) Applied Economics, by parallel courses of lectures throughout the year. The particular topics treated vary from year to year. Thus in 1902-03, Associate Professor Hollander lectured two hours weekly on the Development of Economic Thought, and two hours on the Theory and Practice of Exchange. During the present year attention has been given, in the course on Economic Theory, to a careful preliminary survey of the History of Distribution; in the second half year study has been made of the distinctive features of the modern distributive process and a positive theory has been outlined. In the course on Applied Economics careful analysis has been made, during the first half year, of the History and Theory of Taxation; during the second half year, the technique of American tax systems has been examined. In connection with both courses representative texts have been assigned for reading and study, and exercise has been afforded in the use of original sources of theoretical and financial information. A reading class has also afforded advanced students opportunity for co-operative study and discussion.

Dr. G. E. Barnett, Instructor in Political Economy, has

lectured, during the first half year on the theory of banking and during the second half year upon the history of American banking systems. Dr. Jeffrey R. Brackett, president of the Board of Supervisors of City Charities, has delivered a course of ten lectures on problems of charity, public aid, and correction.

While primarily designed, as has been noted, for the needs of students preparing for a scientific career in the field of political economy the instruction offered is of material service to persons looking forward to practical social work, or proposing to enter the public service, the professions of law or journalism, or desirous of equipping themselves for a large and generous citizenship. With this in view, particular attention is paid to recent industrial and financial developments in the United States. Proximity to Washington offers special facilities for study and investigation in these directions, and efforts are made to profit by close acquaintance with and actual use of the important resources there existing.

Undergraduate Courses

The undergraduate instruction in political economy is given by Associate Professor Hollander and Dr. Barnett. It is designed not only to prepare elementary students for the advanced courses described above, but also to contribute to a liberal education that fund of information and that mode of thought which will permit young men, in whatever walk of life engaged, to interpret and to appreciate the economic activities of human society.

The method employed is class-room instruction from required text books, supplemented by lectures, collateral reading, written reports, and periodic examinations. In a Minor Course, the outlines of industrial development and the elements of economic theory are taught, after which attention is paid to the principles of money and banking, taxation, and international trade. In a Major Course, instruction is given in recent changes in industrial

organization and in current economic thought. This course also offers favorable opportunity for those graduate students who have had no adequate training in political economy, to prepare for the graduate courses. A portion of the Minor Course, taken in connection with a course in history, is required of all undergraduates not pursuing the historical-political group of studies.

Philosophy and Psychology

Graduate Courses

The graduate work of the department falls into two divisions, according as the student specializes in Philosophy proper or in scientific and experimental Psychology. Within these two divisions many special topics are treated. In each division the work is planned to cover three years. The arrangement by years is mainly for convenience; it is not of the nature of a curriculum. The courses are offered to stimulate and aid the student in the work of investigation. Whether, and when, the candidate shall take the degree of Doctor of Philosophy, under the University regulations, depends upon his success in the prosecution of a piece of research.

In the division of Philosophy, the first year offers courses in General Psychology, Social Psychology and Philosophy, and Theory of Evolution and Comparative Psychology,—these topics being a necessary foundation to the more detailed work of later years. In the division of Psychology, a training course in Experimental Psychology is added to the work of division I.

In the second year, more special work of research is carried on, the two divisions being somewhat separated. In Philosophy, the Theory of Knowledge becomes the central topic. History of Philosophy and Ethics are given, and a variety of special topics are presented in which the student has various alternatives opened for his

own research. In the Psychology division, the research courses in Experimental Psychology in the laboratory are central, the Theory of Knowledge is associated with it, and again a variety of special topics allows choice of subjects allied to the main problem of the particular student.

In the third year, the Seminary and Laboratory courses are the centre of the work, in the two divisions respectively, the student being expected to give most of his time to work on the topic of his dissertation. In this last year, the Professors devote themselves to the direction and development of the students' investigations. A graduate Conference and Journal Club meets weekly. Throughout the entire course the Seminary and Laboratory Methods of instruction are preferred to that by formal lectures.

The distribution of topics among the staff is as follows: Psychology (except experimental), Theory of Knowledge, and General Philosophy are treated by Professor Baldwin; History of Philosophy and Ethics, by Professor Griffin; Experimental Psychology, by Professor Stratton.

The additional special topics which are to be treated in the year 1904-05 are Experimental Phonetics and Laboratory Problems, by Professor Scripture; Vision and Symbolic Logic, by Mrs. Franklin; and Physiological Psychology, by Dr. Farrar. Professor Baldwin is the Director of the Philosophical Seminary, and Professor Stratton, of the Psychological Laboratory. The Seminary room, containing the department library, in Levering Hall, and the Laboratory, situated in the biological building, are to be in full working order for the year 1904-05. The library has the use of the large collection of journals and files of current serials, belonging to the Director.

Undergraduate Courses

Courses in Logic, Psychology, Ethics, and the History of Philosophy are conducted by Professor Griffin. These

occupy five hours per week throughout the year, and all candidates for the degree of Bachelor of Arts are required to follow them during the last year of residence. The instruction is adapted, as far as possible, to the needs of those to whom these subjects are new; attention is, however, called to fundamental problems, and the work is intended to serve as an introduction to general philosophical study.

(*a*) *Logic.* The logical forms—terms, propositions, syllogisms—are studied as an analysis or explanation of the thinking process, and as a practical discipline in exact thought; attention is given also to the material elements in inference, as these are stated in the several inductive methods.

(*b*) *Psychology.* The instruction in Psychology is intended to give a general view of the results of present methods of study. A series of lectures and demonstrations on the anatomy and physiology of the nervous system—given in 1903-04 by Dr. C. R. Bardeen—is included in the course. Especial emphasis is laid upon the facts of conscious experience, as known through introspection, the most important end to be secured being, it is believed, such an understanding of the facts and laws of mental life as shall fit one for wise self-government and effective influence. With this view, such powers and states of mind as attention, memory, association, habit, imagination, the feelings, the will, are discussed in as concrete and practical a way as possible. An essay on an assigned subject is required from each member of the class.

(*c*) *Ethics.* Ethics is treated with reference to its fundamental problems as a theoretical science; questions of applied ethics receive, for lack of time, comparatively little attention. One essay is required from each member of the class.

(*d*) *History of Philosophy.* An outline of the history of philosophy is given in a series of lectures, some of which

are included in the prescribed instruction, and some of which are for the benefit of any who may be disposed to attend them.

Drawing.

The instruction in drawing is arranged to give the students a general knowledge of the subject, as far as the time at command will permit, while those who show particular aptitude are encouraged to follow special courses. The instruction is given by Mr. S. E. Whiteman.

Undergraduates take up the subject as one of their required studies, unless they can show a fair degree of proficiency attained elsewhere. Graduate and special students are allowed the privilege of receiving such instructions as may be most helpful to them in their respective fields of work. Those who look forward to scientific pursuits, especially those who study natural history, medicine, physics, applied mathematics and mechanics, find these courses of great value.

The undergraduate course is designed to form part of the general education of the student. It aims to impart such knowledge of the principles of drawing, with extended practice in the application of the same, as shall best serve to educate the eye and to train the hand,—the one to see correctly, and the other to express accurately the appearance of forms. The course includes freehand and mechanical drawing. Students may have the option of freehand drawing alone throughout the year. In the freehand drawing, the student is at once set to draw from models, beginning with elementary forms, and proceeding through a series of exercises till he is able to produce a fair drawing of any simple object or group of objects, in outline and in light and shade. The chief mediums used are charcoal and crayon. The use of drawing instruments

is taught, and the constructive processes are applied which are in general use in instrumental drawing. The elements of descriptive geometry are afterwards taken up in this course, and the fundamental principles of orthographic, scenographic, and isometric projections are worked out and applied in carefully executed drawings, finished in ink. Precision and fidelity are insisted on, and no careless work is allowed, nor is any copying permitted. Each student receives the personal attention and guidance of the instructor. With the exactness of pen-and-ink work on the one hand and the freedom of charcoal on the other, the student attains a power of graphic expression which will be of service to him in almost any pursuit. The instruction in mechanical drawing will be found of great value to students who are looking forward to courses in engineering or applied science. This course is required of all undergraduate students who take the course in mathematics.

The special instruction in drawing is necessarily of such a nature as is best adapted to the requirements of the individual student; freehand drawing from natural forms, in charcoal and in pencil; from plaster casts, in charcoal; advanced work in descriptive geometry. This special instruction includes work for students preparing for the courses in medicine and biology, but of a character more directly applied to these studies with a view to illustrating the work of these courses.

Physical Training

A careful examination of each undergraduate is made by the director of the gymnasium, Dr. C. R. MacInnes, and such exercises are prescribed as are best suited to his needs. Systematic exercise is required of all undergraduates during their first year of residence; in sub-

sequent years this is not compulsory. Regular class instruction is given every afternoon from five to six. The use of the gymnasium is optional in the case of graduate students.

The gymnasium is a new building, 127 feet long by 35 feet wide, and is provided with convenient lockers, baths, etc., as well as with the newest forms of apparatus. Adjoining the gymnasium proper is a "cage,"—an enclosed and covered space for practice in running and in athletic sports,—127 feet long, 66 feet wide, and 30 feet high.

In order to prevent ill-advised participation in outdoor sports, and to guard against over-indulgence in training, the athletic teams of the university are under the control of the director of the gymnasium. No student is allowed to become a member of a team unless his physical condition is satisfactory, and no student is allowed to be a member of, or a candidate for, an athletic team, who is seriously deficient in his studies.

Public Speaking and Class Debate

Undergraduate students in their first year are trained in the art of public speaking and in the elements of Parliamentary Law, and this training is continued throughout the second and third years of the college course. The art of debate and extemporaneous speaking is practiced in a so-called College Congress, under the direction of the instructor, who guides the students in the collection tion of materials for debate and in the preparation of briefs. Special facilities are offered by the historical department for the use of documents, pamphlets, and newspaper articles. Opportunity is offered to graduate students for instruction and practice in extemporaneous speaking and public lecturing.

REGULATIONS GOVERNING THE DEGREE OF DOCTOR OF PHILOSOPHY

[Adopted by the Board of University Studies, February 26, 1898, and revised December 4, 1901.]

The degree of Doctor of Philosophy is offered to students who have followed advanced courses of university study for a period of not less than three years, under suitable guidance and favorable conditions, and who have submitted an acceptable dissertation and passed the prescribed examinations.

In order to be accepted by the Board of University Studies as a candidate for the degree of Doctor of Philosophy, the student must give evidence that he has completed such a liberal undergraduate course of academic study antecedent to the baccalaureate degree as is offered by colleges of good standing.

He must then follow advanced studies in the departments of knowledge which he may have chosen, and these studies must be pursued without serious distractions, under qualified teachers, for a period of at least three years. Private study, or study pursued at a distance from libraries and laboratories and other facilities, will not be considered as equivalent to university study.

The Board reserves the right to decide in each case whether the antecedent training has been satisfactory, and, if any of the years of advanced work have been passed by the candidate away from this university, whether they may be rightly regarded as spent in university studies under suitable guidance and favorable conditions.

In order that students may receive the definite counsel of the proper authorities with respect to their future course, they are advised to offer themselves as "candidates" for this degree as soon after entrance as their purposes are formed. At least one academic year must

be passed in this university, and in every case the year immediately preceding the final examinations.*

Correspondence on the foregoing matters should be addressed to the Registrar of the University.

Requirements for the Degree.

Every candidate for the degree of Doctor of Philosophy must select one principal and two subordinate subjects, the combination to be approved by the Board of University Studies. These must be pursued without serious distraction and under the general direction of the professor in the principal subject of study, who is the official adviser of the candidate. The student must prepare a satisfactory dissertation, and must pass with credit certain written and oral examinations in his chosen departments of study.

Acceptance of the Candidate.

A student wishing to be considered a candidate for the degree must make formal application to the Board of University Studies to be enrolled, and must be accepted by the Board at least an academic year† in advance of the time when he expects to present himself for examination in his principal subject. A blank form is provided for the purpose. After filling out this form, the student must present himself before the examiners in French and German at one of the stated examinations in these subjects. When their certificates are affixed to his application, he is to obtain the signatures of approval of the professors in the department concerned. The application, thus completed, is then to be presented to the Board for its final action.

*In case a student has complied with all the conditions and has practically completed his preparation for the final examinations, and is prevented by good reason from presenting himself, he should ask the Board to appoint a later day for his examination.

†The acceptance of a candidate by the Board at its October meeting is regarded as an acceptance at the beginning of an academic year.

Requirements in French and German.

a. The candidate must be able to translate French and German at sight. Familiarity with journals and monographs pertaining to his principal department of study will satisfy this requirement.

b. Examinations are held in these languages at the middle and end of each academic year, at one of which times the candidate must present himself. In October there is provided a special examination for students not connected with the university during the previous academic year.

c. Students who have not acquired a reading knowledge of these languages before engaging in graduate study, are advised to pursue a course organized for that purpose, during their first year. Absolving the class examination at the end of this course will be construed as satisfying this requirement for the degree of Doctor of Philosophy.

Requirements in the Subordinate Subjects

The subordinate subjects are of two grades, and are known respectively as the first subordinate and the second subordinate. Each of these subjects shall be followed by the candidate for a portion of his time, during at least one year of graduate study.

It is impossible to define with precision the amount of time to be devoted to the subordinate subjects. In general, however, it may be stated that the two subordinate subjects, taken together, should represent one year's work, two-thirds of this time being devoted to the first subordinate subject.

Dissertation.

a. The dissertation must be written upon a theme approved by the adviser of the candidate, and must be completed and submitted to the Board at least four weeks before the written examinations in the principal subject are held, unless the adviser recommends a later date. The dissertation must be legibly written, or type-written, or

printed, then paged and bound, in accordance with the instructions given below. The copy thus prepared is to be placed on file and become the property of the university. Before proceeding to prepare this copy, the candidate must confer with the Registrar, who will show to him a model exhibiting the kind of paper to be used and the general style of binding to be followed. On the back of the cover shall be placed the word dissertation, the name of the author, the date, and, if possible, the title of the dissertation. The title page shall contain the words *Dissertation submitted to the Board of University Studies of the Johns Hopkins University in conformity with the requirements for the degree of Doctor of Philosophy,* in addition to the title, the name of the author, and the date.

b. The Board shall designate two or more referees, who shall present a written report on the dissertation,—said report to be filed. In the intervals between the sessions of the Board, the President shall have power to appoint the referees.

c. The candidate shall print the dissertation in full or in part,—if in part, to the extent of not less than twenty-four octavo pages, and these twenty-four pages may contain either an abstract or a section of the dissertation,—under the supervision of his adviser, within one year of the time when the degree is conferred, and shall present one hundred and fifty copies of the work to the university. A biographical sketch of the author shall be appended to the dissertation in both its manuscript and its printed form.

d. If the required number of printed copies have not been presented to the university, a deposit of $50, to insure the printing within the specified period, shall be made by the candidate at the treasurer's office before the degree is conferred. This deposit shall be returned to him when the printed copies are presented to the university.

e. If the required number of printed copies should not

be presented to the university within the specified time, the Board may declare the deposit forfeited, and may apply the amount in printing such portions as the adviser may deem proper.

Examinations

a. The candidate shall be given written examinations in the principal subject and, wherever practicable, in both subordinate subjects, and an oral examination, before the Board, in the principal and in the first subordinate subject.

b. The candidate shall be permitted to take the written examinations in both the first and second subordinates at the end of the respective years in which the courses in these subjects were completed, or whenever he is ready, at the discretion of the examiner.

c. The professors in the several departments of study shall prepare written reports on the result of the examinations. These reports, together with the questions and answers, shall be laid before the Board at the oral examination and the reports filed.

d. In the written examinations no one session shall exceed five hours.

e. In the oral examinations before the Board, the time allotted to each examination shall be one hour, and three-quarters of this time shall be devoted to the principal subject.

Conferring of Degree

The names of the candidates found worthy of the degree will be submitted to the Board of Trustees, and with their approbation the degree will be publicly conferred.

COLLEGIATE INSTRUCTION

In addition to the instruction provided for graduate students, the Johns Hopkins University makes ample provision for collegiate instruction. Its work was originally organized to meet the needs of those desiring a systematic discipline in liberal studies, as well as to furnish additional opportunities to persons who had already received a college training. The courses offered to undergraduates are maintained with no less care and thoroughness than those intended for advanced students; the oldest and most experienced members of the academic staff cooperate in the conduct of them. No small part of the influence and usefulness of the university is in connection with the collegiate classes, in which, since 1876, nearly seventeen hundred students have been enrolled.

Certain features of organization and administration have contributed to the effectiveness of the undergraduate work. The scrupulous observance of the distinction between the disciplinary methods appropriate to college teaching and the freer methods of advanced instruction; the "group" arrangement of studies, combining a reasonable liberty of choice with a sufficient exercise of authority; the facilities afforded young men of superior capacity for carrying their studies beyond the requirements of graduation; the influence upon younger pupils of the presence of a large body of graduate scholars conducting investigations in all the great departments of learning:—these conditions have proved favorable to the development of earnestness and scholarly devotion.

ARRANGEMENT OF COURSES

The courses of study open to undergraduates are arranged in (a) the curriculum prescribed for candidates for matriculation; (b) the several "groups" offered to matriculated students.

(a). Curriculum Prescribed for Candidates for Matriculation

The standard of matriculation maintained at the Johns Hopkins University is considerably higher than that maintained by institutions which require a residence of four years in order to graduation. In the Baltimore City College, and in several private schools of Baltimore, young men may be prepared to pass the matriculation examination; but many are unable to secure, in the places where they reside, instruction which will fit them to meet the requirements here exacted. As a consequence, many students who have desired to enter the university have been unable to do so, and some who have entered have done so only under the embarrassment and vexation of "conditions." In order to meet this difficulty, terms of admission are now designated, corresponding to the terms of admission to other colleges of established reputation, and students who satisfy these requirements are admitted to a prescribed course of study adapted to prepare them, at the end of a year, for full matriculation.

The course of study prescribed for these students is as follows:—

1. Mathematics. *Four hours weekly.*
   - Algebra (special topics).
   - Solid Geometry.
   - Plane Trigonometry.
   - Analytic Geometry (straight line and loci).

2. Latin. *Three hours weekly.*
   - Cicero, *De Amicitia.*
   - Nepos (selections).
   - Vergil, *Georgics.*
   - Ovid (selections).
   - Sight Reading and Prose Composition.

3. GREEK. *Three hours weekly.*
   Homer, *Iliad*, book vi.
   Herodotus, book vii.
   Sight Reading and Prose Composition.
4. GERMAN OR FRENCH.
   (*a*) For students offering Greek at entrance. *Three hours weekly.*
   German: Vos, *Essentials of German;* Vos, *Materials for German Conversation;* Storm, *Immensee;* Gerstäcker, *Germelshausen.*
   French: Fraser and Squair's *French Grammar, Part I, and Reader;* Verne, *Vingt Mille Lieues sous les Mers;* About, *La Mère de la Marquise;* Coppée, *On rend l'Argent;* Labiche, *Le Voyage de M. Perrichon.*
   After completing one of these courses, students are required to take Minor A in their groups.
   (*b*) For students not offering Greek at entrance. *Four hours weekly.*
   The minor course, Class A, in either German or French.
5. RHETORIC AND ENGLISH COMPOSITION. *Three hours weekly*
   Principles of Rhetoric.
   Rhetorical Analysis.
   Practice in writing.
   Students taking Greek may defer this course until after matriculation.
6. FREEHAND AND MECHANICAL DRAWING.

(b). GROUPS OFFERED TO MATRICULATED STUDENTS

After matriculation, the student is expected to follow one of several distinct and parallel courses of instruction known as "groups." These are seven in number, each comprising (1) studies common to all the groups and required of all undergraduates, (2) studies peculiar to a group, (3) optional studies. The groups are assumed to be equally honorable and difficult, and are intended to combine liberty of election on the part of the student with sufficient exercise of authority to prevent discursive and ill-considered work. Each group contains two principal studies, both of which extend through two years of instruction. These are: (1) Latin and Greek, (2) Mathematics and Physics, (3) Chemistry and Biology, (4) Geology and Biology, (5) Latin and Mathematics, (6) History and Political Science, (7) English, with German or French.

The student may follow strictly the group which he has chosen; or, under the regulations hereinafter stated (see page 205, section *b*), he may substitute, with the approval of his adviser, other studies for two—in certain cases, for three—of the courses laid down in his group.

Students who have passed French or German as the principal subject in place of Greek for matriculation, are required to substitute for it some other subject, or to take an advanced course in one of these languages. Any undergraduate course approved by the adviser may be chosen for this purpose.

In these ways the course of study in the several groups may be modified; while those who wish to concentrate their attention in the more thorough study of a special field, will find it advantageous to accept the groups as they stand.

The optional courses in Science and Literature vary from year to year, and may be followed by the student according to his tastes and acquisitions. The arrangements of the university allow those who have capacity for more than is prescribed, to broaden their studies by attendance upon the public lectures from time to time provided; and, if time permits, they may also take longer or shorter courses not actually required of them.

Each group contains twelve courses. Eight of these are four-hour courses,—each representing four hours of class-work weekly for a year. Of the others, two—the course in Rhetoric and that in English Literature—are three-hour courses; one is an elective of two hours in the third year; and one—the course in Philosophy—occupies five hours weekly through one year. Rhetoric, English Literature, and Philosophy form a part of each group. A course in Economics and History is also included in each group. Each group contains at least one year of French and one year of German, and at least one year of attention to a scientific subject, including the performance of the

work prescribed in the laboratory. The instruction in Drawing and in Vocal and Physical Culture is additional to these twelve courses.

1. *The Classical Group*

The classical group corresponds in the main to what has been the ordinary course of study in American colleges, the requisite mathematics having been secured before matriculation. The emphasis is laid upon Latin and Greek, each of which is studied two years. Rhetoric, English Literature, French, German, one subject involving a year of laboratory work, Economics and History, Comparative Philology, Philosophy, and an elective subject occupying two hours weekly in the third year, are also included, together with Drawing and Vocal and Physical Culture.

2. *The Mathematical-Physical Group*

The Mathematical-Physical group substitutes two years of Mathematics and two years of Physics for Latin and Greek, adding also a year of Chemistry, the other studies being the same as in the classical group. This course affords a good basis for the subsequent study of Electricity, Engineering, Astronomy, and other subjects largely dependent on the science of Mathematics.

3. *The Chemical-Biological, or Preliminary Medical, Group*

The Chemical-Biological group prepares the student to enter at once upon the studies of the Johns Hopkins Medical School, and is also a good preparation for the study of medicine elsewhere, or for the professional study of Natural History. It provides instruction in Physics, Chemistry, and Biology, with laboratory practice. The requirements in French, German, English, History, and Philosophy are the same as in the other groups.

4. *The Geological-Biological Group*

The Geological-Biological group furnishes a good fundamental training in the sciences, providing a year's course

each in Biology, Physics, and Chemistry, and a two years' course in Geology. It affords a broad education in scientific studies, and prepares the student both to appreciate scientific methods, and to pursue advanced courses in Geology, later, should he so desire.

5. *The Latin-Mathematical Group*

The Latin-Mathematical group affords a good fundamental training without the study of Greek. It differs from the classical group only in substituting Mathematics for Greek.

6. *The Historical-Political Group*

The Historical-Political group furnishes a basis for the subsequent study of law. It omits Greek and retains but one year of Latin, providing two years of History and two years of Economic and Political Science.

7. *The Modern Language Group*

The Modern Language group is designed for those who wish a literary training based upon the modern rather than upon the ancient languages. It substitutes for Greek two years of English, and, retaining one year of Latin, substitutes for the other an additional year of either French or German. If the student is already proficient in French or German, he may substitute a year of Spanish or Italian for one of these languages.

Detailed statements respecting the groups are given in the succeeding pages.

First Group (*Classical*)

First Year

LATIN.
CLASS WORK. (9 a. m.) *Four hours weekly.*
Livy (two books).
Horace (selections).
Prose Composition.
PRIVATE READING:
Cæsar, *Bellum Civile* (book i).
Tacitus, *Agricola.*
Ovid, *Fasti* (selections).
Vergil, *Aeneid* (books ix, xii).

RHETORIC AND ENGLISH COMPOSITION. (12 m.) *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

GREEK.
CLASS WORK. (1 p. m.) *Four hours weekly.*
Lysias, vii, xxiv.
Isocrates, *Panegyricus.*
Euripides (one play).
Prose Composition.
PRIVATE READING:
Xenophon, *Hellenica* (book i).
Homer, *Odyssey* (books i, ix, x).

GERMAN: *Minor B.* (11 a. m.) *Four hours weekly.*
Voe, *Essentials of German.*
Whitney's *Grammar.*
Gerstaecker, *Germelshausen.*
Wilhelmi, *Einer muss heiraten.*
von Wildenbruch, *Das edle Blut.*
Keller, *Kleider machen Leute.*
Prose Composition.

Second Year

LATIN.
CLASS WORK. (9 a. m.) *Four hours weekly.*
Juvenal.
Pliny's Letters.
Plautus (one play).
Terence (one play).
Reading at Sight.
Prose Composition.
PRIVATE READING:
Quintilian (book x).
Plautus, *Miles Gloriosus.*

ENGLISH LITERATURE. *Three hours weekly.*
Outline History.
Critical Study of Important Writers.
Private Reading.

GREEK.
CLASS WORK. (12 m.) *Four hours weekly.*
Demosthenes, *In Leptinem.*
Selections from the elegiac, melic, and iambic poets.
Sophocles (one play).
Reading at Sight.
Prose Composition.
PRIVATE READING:
Aeschylus, *Prometheus.*
Aristophanes, *Nubes.*

LABORATORY COURSE. *Four hours class-work weekly.*
*Chemistry (9 a.m.), *or* Physics (10 a.m.), *or* Biology (10 a.m.). } Lectures, recitations, and laboratory work.

Third Year

PHILOSOPHY. (11 a. m.) *Five hours weekly.*
Logic, Psychology, and Ethics.

HISTORY AND ECONOMICS. (10 a.m.) *Four hours weekly.*
Historical Politics. *Two hours.*
Elements of Economics. } *Two hours.*
Applied Economics. }

**ELECTIVE COURSE. *Two hours weekly.*

FRENCH: *Minor B.* (12 m.) *Four hours weekly.*
Grammar and Composition.
Nineteenth Century Prose.
Pronunciation. Private Reading.

COMPARATIVE PHILOLOGY. *One hour weekly.*

*If Chemistry be chosen, it should be taken in the third year, and History and Economics in the second year.
**For 1904-1905, elective courses are offered in the following subjects: Differential Equations, Zoology or Botany, Hebrew, Latin, Greek, German, French, Italian, Spanish, English Literature, History of Philosophy (one hour).

Second Group (*Mathematical-Physical*)

First Year

GERMAN: *Minor A.* (11 a. m.) *Four hours weekly.*
Classics: Schiller; Goethe.
Prose Reading: Seidel; Baumbach.
Composition. Private Reading.
Or
*FRENCH: *Minor A. Four hours weekly.*
Modern Prose and Poetry.
Selected Classics.
Composition. Private Reading.

CHEMISTRY. (9 a. m.). *Four hours class-work weekly.*
General Chemistry.
Laboratory Work. (*Five hours weekly.*)

RHETORIC AND ENGLISH COMPOSITION. (12 m.). *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS. *Four hours weekly.*
Plane Analytic Geometry.
Differential and Integral Calculus.
Practical Exercises. (*Two hours weekly.*)

Second Year

PHYSICS. (10 a. m.) *Four hours class-work weekly.*
Elementary Mechanics.
Sound.
Heat.
Electricity and Magneticism.
Light.
Laboratory work. (*Five hours weekly.*)

ENGLISH LITERATURE. *Three hours weekly.*
Outline History.
Critical Study of Important Writers.
Private Reading.

MATHEMATICS. (9 a. m.) *Four hours weekly.*
Determinants.
Differential and Integral Calculus (special topics).
Theory of Equations.
Elements of Projective Geometry.
Analytic Geometry of Three Dimensions.
Practical Exercises. (*Two hours weekly.*)

Students who have passed French or German as the principal subject in place of Greek for matriculation, must substitute here some other four-hour course.

Third Year

PHILOSOPHY. (11 a. m.) *Five hours weekly.*
Logic, Psychology, and Ethics.

HISTORY AND ECONOMICS. (10 a. m.) *Four hours weekly.*
Historical Politics. *Two hours.*
Elements of Economics. } *Two hours.*
Applied Economics. }

PHYSICS. (12 m.) *Four hours class-work weekly.*
Mechanics.
Thermodynamics.
Electricity and Magneticism.
Physical Optics.
Laboratory Work. (*Five hours weekly.*)

**ELECTIVE COURSE. *Two hours weekly.*

*The French may be deferred until the third year by taking, in the first or second year (as a substitute for History and Economics) a four-hour course in History.

**For 1904-1905, elective courses are offered in the following subjects: Differential Equations, Zoology or Botany, Hebrew, Latin, Greek, German, French, Italian, Spanish, English Literature, History of Philosophy (one hour).

Third Group (*Chemical-Biological*)

First Year

PHYSICS. (10 a. m.) *Four hours class-work weekly.*
Elementary Mechanics.
Heat.
Electricity and Magnetism.
Sound.
Light.
Laboratory Work. (*Five hours weekly.*)

RHETORIC AND ENGLISH COMPOSITION. (12 m.) *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

CHEMISTRY. (9 a. m.) *Four hours class-work weekly.*
General Chemistry.
Laboratory Work. (*Five hours weekly.*)

GERMAN: *Minor A.* (11 a. m.) *Four hours weekly.*
Classics: Schiller; Goethe.
Prose Reading: Seidel; Baumbach.
Composition. Private Reading.

Or

FRENCH: *Minor A. Four hours weekly.*
Modern Prose and Poetry.
Selected Classics.
Composition. Private Reading.

Second Year

CHEMISTRY. (9 a. m.) *Four hours class-work weekly.*
Advanced Inorganic Chemistry.
Chemistry of Carbon Compounds.
Laboratory Work. (*Five hours weekly.*)

ENGLISH LITERATURE. *Three hours weekly.*
Outline History.
Critical Study of Important Writers.
Private Reading.

BIOLOGY. (10 a. m.) *Four hours class-work weekly.*
General Biology.
Elements of Systematic Botany.
Laboratory Work. (*Five hours weekly.*)

Students who have passed French or German as the principal subject in place of Greek for matriculation, must substitute here some other four-hour course.

Third Year

BIOLOGY. (9 a. m.) *Four hours class-work weekly.*
Elements of Zoology and Comparative Anatomy.
Elements of Botany.
Embryology.
Laboratory Work. (*Five hours weekly.*)

*ELECTIVE COURSE. *Two hours weekly.*

PHILOSOPHY. (11 a. m.) *Five hours weekly.*
Logic, Psychology, and Ethics.

HISTORY AND ECONOMICS. (10 a. m.) *Four hours weekly.*
Historical Politics. *Two hours.*
Elements of Economics. } *Two hours.*
Applied Economics. }

*For 1904-1905, elective courses are offered in the following subjects: Differential Equations, Hebrew, Latin, Greek, German, French Italian, Spanish English Literature, History of Philosophy (one hour).

Fourth Group (*Geological-Biological*)

First Year

CHEMISTRY. (9 a. m.) *Four hours class-work weekly.*
General Chemistry.
Laboratory Work. (*Five hours weekly.*)

GERMAN: *Minor A.* (11 a. m.) *Four hours weekly.*
Classics: Schiller; Goethe.
Prose Reading: Seidel; Baumbach.
Composition. Private Reading.
Or
FRENCH: *Minor A. Four hours weekly.*
Modern Prose and Poetry.
Selected Classics.
Composition. Private Reading.

PHYSICS. (10 a. m.) *Four hours class-work weekly.*
Elementary Mechanics.
Heat.
Electricity and Magnetism.
Sound.
Light.
Laboratory Work. (*Five hours weekly.*)

RHETORIC AND ENGLISH COMPOSITION. (12 m.) *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

Second Year

BIOLOGY. (10 a. m.) *Four hours class-work weekly.*
General Biology.
Elements of Systematic Botany.
Laboratory Work. (*Five hours weekly.*)

ENGLISH LITERATURE. *Three hours weekly.*
Outline History.
Critical Study of Important Writers.
Private Reading.

GEOLOGY. (12 m.) *Four hours class-work weekly.*
Physical Geology.
Outline Paleontology.
Historical Geology.
Laboratory Work. (*Three hours weekly.*
Excursions.

Students who have passed French or German as the principal subject in place of Greek for matriculation, must substitute here some other four-hour course.

Third Year

PHILOSOPHY. (11 a. m.) *Five hours weekly.*
Logic, Psychology, and Ethics.

HISTORY AND ECONOMICS. (10 a. m.) *Four hours weekly.*
Historical Politics. *Two hours.*
Elements of Economics. } *Two hours.*
Applied Economics. }

GEOLOGY. (9 a. m.) *Four hours class-work weekly.*
Crystallography.
Descriptive Mineralogy.
Elementary Petrography.
Laboratory Work. (*Three hours weekly.*)
Excursions.

*ZOOLOGY *or* BOTANY. (Elective.) *Two hours weekly.*

*In 1904-1905, one of the following two-hour elective courses may be substituted for Zoology or Botany: Differential Equations, Hebrew, Latin, Greek, German, French, Italian, Spanish, English Literature.

Fifth Group (*Latin-Mathematical*)

First Year

LATIN.
CLASS WORK. (9 a. m.) *Four hours weekly.*
Livy (two books).
Horace (selections).
Prose Composition.
PRIVATE READING:
Cæsar, *Bellum Civile* (book I).
Tacitus, *Agricola.*
Ovid, *Fasti* (selections).
Vergil, *Æneid* (books ix, xii).

RHETORIC AND ENGLISH COMPOSITION. (12 m.) *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS. *Four hours weekly.*
Plane Analytic Geometry.
Differential and Integral Calculus.
Practical Exercises. (*Two hours weekly.*)

GERMAN: *Minor A.* (11 a. m.) *Four hours weekly.*
Classics: Schiller; Goethe.
Prose Reading: Seidel; Baumbach.
Composition. Private Reading.
Or
*FRENCH: *Minor A. Four hours weekly.*
Modern Prose and Poetry.
Selected Classics.
Composition. Private Reading.

Second Year

MATHEMATICS. (9 a. m.) *Four hours weekly.*
Determinants.
Differential and Integral Calculus (special topics).
Theory of Equations.
Elements of Projective Geometry.
Analytic Geometry of Three Dimensions.
Practical Exercises. (*Two hours weekly.*)

LABORATORY COURSE. *Four hours class-work weekly.* } Lectures, recitations, and laboratory work.
Chemistry (9 a.m.), *or*
Physics (10 a.m.), *or*
Biology (10 a.m.).

ENGLISH LITERATURE. *Three hours weekly.*
Outline History.
Critical Study of Important Writers.
Private Reading.

Students who have passed French or German as the principal subject in place of Greek for matriculation, must substitute here some other four-hour course.

Third Year

LATIN.
CLASS WORK. (9 a. m.) *Four hours weekly.*
Catullus.
Roman Elegy (selections).
Plautus (one play).
Terence (one play).
Reading at Sight.
Prose Composition.
PRIVATE READING:
Quintilian (book x).
Plautus, *Miles Gloriosus.*

PHILOSOPHY. (11 a. m.) *Five hours weekly.*
Logic, Psychology, and Ethics.

HISTORY AND ECONOMICS. (10 a. m.) *Four hours weekly.*
Historical Politics. *Two hours.*
Elements of Economics. } *Two hours*
Applied Economics.

**ELECTIVE COURSE. *Two hours weekly.*

*The French may be deferred until the third year by taking, in the first or second year (as a substitute for History and Economics), a four-hour course in History.

**For 1904-1905, elective courses are offered in the following subjects: Differential Equations, Zoology or Botany, Hebrew, Latin, Greek, German, French, Italian, Spanish, English Literature, History of Philosophy (one hour).

Sixth Group (*Historical-Political*)

First Year

GERMAN: *Minor A.* (11 a. m.) *Four hours weekly.*
Classics: Schiller; Goethe.
Prose Reading: Seidel; Baumbach.
Composition. Private Reading.

Or

FRENCH: *Minor A. Four hours weekly.*
Modern Prose and Poetry.
Selected Classics.
Composition. Private Reading.

RHETORIC AND ENGLISH COMPOSITION. (12 m.) *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

ANCIENT HISTORY. (10 a. m.) *Four hours weekly.*
Greece.
Rome.
Readings from Classical Historians.

LATIN.
CLASS WORK. (9 a. m.) *Four hours weekly.*
Livy (two books).
Horace (selections).
History of Roman Literature.
Sight Reading.
PRIVATE READING:
Cæsar, *Bellum Civile* (book i).
Tacitus, *Agricola.*
Ovid, *Fasti* (selections).
Vergil, *Æneid* (books ix, xii).

Second Year

HISTORY. (11 a.m.) *Four hours weekly.*
Civilization in the Far East. *Two hours.*
Reformation. } *Two hours.*
France and Germany. }

ENGLISH LITERATURE. *Three hours weekly.*
Outline History.
Critical Study of Important Writers.
Private Reading.

POLITICAL ECONOMY. (10 a. m.) *Four hours weekly.*
Elements of Economics.
Money; Taxation.
History of Economic Thought.
Tariff; Transportation.

Students who have passed French or German as the principal subject in place of Greek for matriculation, must substitute here some other four-hour course.

Third Year

CONSTITUTIONAL HISTORY. (12 m.) *Four hours weekly.*
English Constitutional History. *Two hours.*
American Constitutional History. *Two hours.*

Or

POLITICAL ECONOMY. *Four hours weekly.*
Theory of Political Economy. *Two hours.*
Modern Economic Institutions. *Two hours.*

*ELECTIVE COURSE. *Two hours weekly.*

LABORATORY COURSE. *Four hours class-work weekly.*
Chemistry (9 a.m.), *or* Physics (10 a.m.), *or* Biology (10 a. m.). } Lectures, recitations, and laboratory work.

PHILOSOPHY. (11 a. m.) *Five hours weekly.*
Logic, Psychology, and Ethics.

*For 1904-1905, elective courses are offered in the following subjects: Differential Equations, Zoology or Botany, Hebrew, Latin, Greek, German, French, Italian, Spanish, English Literature, Political Economy, History of Philosophy (one hour).

Fifth Group (*Latin-Mathematical*)

First Year

LATIN.
CLASS WORK. (9 a. m.) *Four hours weekly.*
Livy (two books).
Horace (selections).
Prose Composition.
PRIVATE READING:
Cæsar, *Bellum Civile* (book I).
Tacitus, *Agricola.*
Ovid, *Fasti* (selections).
Vergil, *Aeneid* (books ix, xii).

RHETORIC AND ENGLISH COMPOSITION. (12 m.) *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS. *Four hours weekly.*
Plane Analytic Geometry.
Differential and Integral Calculus.
Practical Exercises. (*Two hours weekly.*)

GERMAN: *Minor A.* (11 a. m.) *Four hours weekly.*
Classics: Schiller; Goethe.
Prose Reading: Seidel; Baumbach.
Composition. Private Reading.
Or
*FRENCH: *Minor A. Four hours weekly.*
Modern Prose and Poetry.
Selected Classics.
Composition. Private Reading.

Second Year

MATHEMATICS. (9 a. m.) *Four hours weekly.*
Determinants.
Differential and Integral Calculus (special topics).
Theory of Equations.
Elements of Projective Geometry.
Analytic Geometry of Three Dimensions.
Practical Exercises. (*Two hours weekly.*)

LABORATORY COURSE. *Four hours class-work weekly.* } Lectures, recitations, and laboratory work.
Chemistry (9 a.m.), *or*
Physics (10 a.m.), *or*
Biology (10 a.m.).

ENGLISH LITERATURE. *Three hours weekly.*
Outline History.
Critical Study of Important Writers.
Private Reading.

Students who have passed French or German as the principal subject in place of Greek for matriculation, must substitute here some other four-hour course.

Third Year

LATIN.
CLASS WORK. (9 a. m.) *Four hours weekly.*
Catullus.
Roman Elegy (selections).
Plautus (one play).
Terence (one play).
Reading at Sight.
Prose Composition.
PRIVATE READING:
Quintilian (book x).
Plautus, *Miles Gloriosus.*

PHILOSOPHY. (11 a. m.) *Five hours weekly.*
Logic, Psychology, and Ethics.

HISTORY AND ECONOMICS. (10 a. m.) *Four hours weekly.*
Historical Politics. *Two hours.*
Elements of Economics. } *Two hours*
Applied Economics.

**ELECTIVE COURSE. *Two hours weekly.*

*The French may be deferred until the third year by taking, in the first or second year (as a substitute for History and Economics), a four-hour course in History.

**For 1904-1905, elective courses are offered in the following subjects: Differential Equations, Zoology or Botany, Hebrew, Latin, Greek, German, French, Italian, Spanish, English Literature, History of Philosophy (one hour).

Sixth Group (*Historical-Political*)

First Year

GERMAN: *Minor A.* (11 a. m.) *Four hours weekly.*
Classics: Schiller; Goethe.
Prose Reading: Seidel; Baumbach.
Composition. Private Reading.

Or

FRENCH: *Minor A. Four hours weekly.*
Modern Prose and Poetry.
Selected Classics.
Composition. Private Reading.

RHETORIC AND ENGLISH COMPOSITION. (12 m.) *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

ANCIENT HISTORY. (10 a. m.) *Four hours weekly.*
Greece.
Rome.
Readings from Classical Historians.

LATIN.
CLASS WORK. (9 a. m.) *Four hours weekly.*
Livy (two books).
Horace (selections).
History of Roman Literature.
Sight Reading.
PRIVATE READING:
Cæsar, *Bellum Civile* (book i).
Tacitus, *Agricola.*
Ovid, *Fasti* (selections).
Vergil, *Æneid* (books ix, xii).

Second Year

HISTORY. (11 a.m.) *Four hours weekly.*
Civilization in the Far East. *Two hours.*
Reformation. } *Two hours.*
France and Germany. }

ENGLISH LITERATURE. *Three hours weekly.*
Outline History.
Critical Study of Important Writers.
Private Reading.

POLITICAL ECONOMY. (10 a. m.) *Four hours weekly.*
Elements of Economics.
Money; Taxation.
History of Economic Thought.
Tariff; Transportation.

Students who have passed French or German as the principal subject in place of Greek for matriculation, must substitute here some other four-hour course.

Third Year

CONSTITUTIONAL HISTORY. (12 m.) *Four hours weekly.*
English Constitutional History. *Two hours.*
American Constitutional History. *Two hours.*

Or

POLITICAL ECONOMY. *Four hours weekly.*
Theory of Political Economy. *Two hours.*
Modern Economic Institutions. *Two hours.*

*ELECTIVE COURSE. *Two hours weekly.*

LABORATORY COURSE. *Four hours class-work weekly.*
Chemistry (9 a.m.), *or* / Physics (10 a.m.), *or* / Biology (10 a.m.). } Lectures, recitations, and laboratory work.

PHILOSOPHY. (11 a. m.) *Five hours weekly.*
Logic, Psychology, and Ethics.

*For 1904-1905, elective courses are offered in the following subjects: Differential Equations, Zoology or Botany, Hebrew, Latin, Greek, German, French, Italian, Spanish, English Literature, Political Economy, History of Philosophy (one hour).

Fifth Group (*Latin-Mathematical*)

First Year

LATIN.
CLASS WORK. (9 a. m.) *Four hours weekly.*
Livy (two books).
Horace (selections).
Prose Composition.
PRIVATE READING:
Cæsar, *Bellum Civile* (book 1).
Tacitus, *Agricola.*
Ovid, *Fasti* (selections).
Vergil, *Æneid* (books ix, xii).

RHETORIC AND ENGLISH COMPOSITION. (12 m.) *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS. *Four hours weekly.*
Plane Analytic Geometry.
Differential and Integral Calculus.
Practical Exercises. (*Two hours weekly.*)

GERMAN: *Minor A.* (11 a. m.) *Four hours weekly.*
Classics: Schiller; Goethe.
Prose Reading: Seidel; Baumbach.
Composition. Private Reading.
Or
*FRENCH: *Minor A. Four hours weekly.*
Modern Prose and Poetry.
Selected Classics.
Composition. Private Reading.

Second Year

MATHEMATICS. (9 a. m.) *Four hours weekly.*
Determinants.
Differential and Integral Calculus (special topics).
Theory of Equations.
Elements of Projective Geometry.
Analytic Geometry of Three Dimensions.
Practical Exercises. (*Two hours weekly.*)

LABORATORY COURSE. *Four hours class-work weekly.* } Lectures, recitations, and laboratory work.
Chemistry (9 a.m.), *or*
Physics (10 a.m.), *or*
Biology (10 a.m.).

ENGLISH LITERATURE. *Three hours weekly.*
Outline History.
Critical Study of Important Writers.
Private Reading.

Students who have passed French or German as the principal subject in place of Greek for matriculation, must substitute here some other four-hour course.

Third Year

LATIN.
CLASS WORK. (9 a. m.) *Four hours weekly.*
Catullus.
Roman Elegy (selections).
Plautus (one play).
Terence (one play).
Reading at Sight.
Prose Composition.
PRIVATE READING:
Quintilian (book x).
Plautus, *Miles Gloriosus.*

PHILOSOPHY. (11 a. m.) *Five hours weekly.*
Logic, Psychology, and Ethics.

HISTORY AND ECONOMICS. (10 a. m.) *Four hours weekly.*
Historical Politics. *Two hours.*
Elements of Economics. } *Two hours*
Applied Economics.

**ELECTIVE COURSE. *Two hours weekly.*

*The French may be deferred until the third year by taking, in the first or second year (as a substitute for History and Economics), a four-hour course in History.

**For 1904-1905, elective courses are offered in the following subjects: Differential Equations, Zoology or Botany, Hebrew, Latin, Greek, German, French, Italian, Spanish, English Literature, History of Philosophy (one hour).

SYNOPSIS OF GROUPS

Group I	Group II	Group III	Group IV	Group V	Group VI	Group VII
FIRST YEAR						
Latin, 9-10. German, 11-12. Rhetoric, 12-1. Greek, 1-2.	Chemistry, 9-10. German, 11-12. or **French. Rhetoric, 12-1. Mathematics.	Chemistry, 9-10. Physics, 10-11. German, 11-12. or French. Rhetoric, 12-1.	Chemistry, 9-10. Physics, 10-11. German, 11-12. or French. Rhetoric, 12-1.	Latin, 9-10. German, 11-12. or **French. Rhetoric, 12-1. Mathematics.	Latin, 9-10. History, 10-11. German, 11-12. or French. Rhetoric, 12-1.	Latin, 9-10. Chemistry, 9-10.* or Biology or Physics } 10-11. Rhetoric, 12-1. English, 1-2.
SECOND YEAR						
Latin, 9-10. Chemistry, 9-10.* or Biology or Physics } 10-11. Greek, 12-1. English Literature.	Mathematics, 9-10. Physics, 10-11. English Literature. A four-hour Course.	Chemistry, 9-10. Biology, 10-11. English Literature. A four-hour Course.	Biology, 10-11. Geology, 12-1. English Literature. A four-hour Course.	Mathematics, 9-10. Chemistry, 9-10. or Biology or Physics. } 10-11. English Literature. A four-hour Course.	Political Economy, 10-11. History, 11-12. English Literature. A four-hour Course.	History and Economics, 10-11. German, 11-12. or French. Elective Courses. A four-hour Course.
THIRD YEAR						
History and Economics, 10-11. Philosophy, 11-12. French, 12-1. Comp. Philology. Elective Course.	History and Economics, 10-11. Philosophy, 11-12. Physics, 12-1. Elective Course.	Biology, 9-10. History and Economics, 10-11. Philosophy, 11-12. Elective Course.	History and Economics, 10-11. Philosophy, 11-12. Geology, 9-10. Zoology or Botany (*elective*).	Latin, 9-10. History and Economics, 10-11. Philosophy, 11-12. Elective Course.	Chemistry, 9-10. or Physics or Biology. } 10-11. Philosophy, 11-12. Constitutional History, 12-1. or Political Economy. Elective Course.	Italian or Spanish. } 9-10. or German, 11-12. or French, 12-1. Philosophy, 11-12. English, 12-1. Elective Course.

*See footnotes on pages 196, 202.
**See footnotes on pages 197, 200.

HOURS OF COLLEGE COURSES

Hours	Monday	Tuesday	Wednesday	Thursday	Friday
9	French (Minor A). Elective Courses. Mathematics (Minor). English Literature. Mathematics (Prelim.).	Latin (Major). Latin (Minor). Chemistry (Minor). Chemistry (Major). Biology (Major). Mathematics (Major). Italian (Minor). Geology (Major). Spanish (Minor). French (Elements). German (Elements).	Latin (Major). Latin (Minor). Chemistry (Minor). Chemistry (Major). Biology (Major). Mathematics (Major). Italian (Minor). Geology (Major). Spanish (Minor). French (Elements). German (Elements).	Latin (Major). Latin (Minor). Chemistry (Minor). Chemistry (Major). Biology (Major). Mathematics (Major). Italian (Minor). Geology (Major). Spanish (Minor).	Latin (Major). Latin (Minor). Chemistry (Minor). Chemistry (Major). Biology (Major). Mathematics (Major). Italian (Minor). Geology (Major). Spanish (Minor). French (Elements). German (Elements).
10	Physics (Minor). Biology (Minor). History and Economics. History (Minor). Political Economy (Minor). Greek (Preliminary).	French (Minor A). Elective Courses. Mathematics (Minor). English Literature. Mathematics (Prelim.).	Physics (Minor). Biology (Minor). History and Economics. History (Minor). Political Economy (Minor). Latin (Preliminary).	Physics (Minor). Biology (Minor). History and Economics. History (Minor). Political Economy (Minor). Latin (Preliminary).	Physics (Minor). Biology (Minor). History and Economics. History (Minor). Political Economy (Minor). Latin (Preliminary).
11	German (Major). German (Minor A). German (Minor B). Philosophy. History (Major).	German (Major). German (Minor A). German (Minor B). Philosophy. History (Major).	Mathematics (Minor). English Literature. Philosophy. Mathematics (Prelim.)	German (Major). German (Minor A). German (Minor B). Philosophy. History (Major).	German (Major). German (Minor A). German (Minor B). Philosophy. History (Major).
12	Greek (Major). French (Major). French (Minor B). Physics (Major). Constitutional History. English (Major). Rhetoric. Geology (Minor).	Greek (Major). French (Major). French (Minor B). Physics (Major). Constitutional History. English (Major). Rhetoric. Geology (Minor).	Greek (Major). French (Major). French (Minor B). Physics (Major). Constitutional History. English (Major). Rhetoric. Geology (Minor).	French (Minor A). Mathematics (Minor). Elective Courses. Mathematics (Prelim.). Geology (Minor).	Greek (Major). French (Major). French (Minor B). Physics (Major). Constitutional History. English (Major).
1	Greek (Minor). English (Minor).	Greek (Minor). English (Minor).	Greek (Minor). English (Minor).	Greek (Preliminary). Greek (Minor). English (Minor).	Greek (Preliminary). Elective Courses. French (Minor A).

REQUISITES FOR THE DEGREE OF BACHELOR OF ARTS.

As an evidence that the collegiate course has been successfully completed, the degree of Bachelor of Arts is conferred at its close. The degree signifies, in the case of every recipient, such instruction in ancient and modern languages, in mathematics, in the physical and natural sciences, in literature, philosophy, and history, as is believed to be essential to a liberal education. The candidate must, in addition to all the requirements for admission and matriculation, absolve—

(*a*) The following prescribed courses: Rhetoric; English Literature; Economics and History; Philosophy; the minor course* in French and the minor in German; exercises in English Composition, as prescribed by the Collegiate Professor of English; Drawing; Physical and Vocal Culture.

(*b*) Five courses, each occupying four hours weekly for one year, of which at least one must be a major course, and at least one must be a laboratory course**; also an elective course, two hours weekly during the third year.

In all cases, the candidate must pursue the last year of his undergraduate course in this institution, and must have completed his matriculation before entering upon that year, unless for special reasons, the Board of Advisers shall have permitted a postponement of some portion of the matriculation requirements. Such special reasons must, in all ordinary cases, be submitted to the Board not later than the close of the year preceding the last; and in no case will they be considered later than October of the last year.

Each instructor files in the office, about the time of the winter and spring recesses and at the close of the year, a report of the progress of each member of his classes, deduced from daily observation, or examinations, or both.

*A "minor course" is the first year of instruction in any subject; a "major course" is the second year of instruction.

**If the major course selected be a laboratory course, an additional laboratory course will not be required.

These reports are called the Intermediate Records. Other reports (*e. g.* of private readings, or of the completion of a particular book or subject) may be made by the instructor at any time.

At the close of the year, the university holds an examination of each class on the whole year's work, known as the University Examination, the reports of which are also put on file in the office.

From the Intermediate Records and the reports of the University Examination, the Board of Collegiate Advisers causes to be made up an average mark, on the authorized scale, for the work of the whole year, which alone determines the standing of any candidate for honors. This constitutes the Final Record.

The reports of all these examinations are carefully recorded and preserved, and the degree of Bachelor of Arts is conferred only when the records show that the prescribed amount of work has been satisfactorily completed.

Regular attendance upon the prescribed exercises is required. Satisfactory certificates must be presented from the teachers of drawing, physical training, and vocal culture. One or more of the essays which the candidate has written, copied by his own hand in a prescribed style, must be left with the Registrar before the twenty-fifth of May preceding graduation, for presentation to the Board of Collegiate Advisers.

No uniform length of residence is prescribed as necessary to the attainment of the bachelor's degree. Students who fully meet, at entrance, the requirements for matriculation (see pages 209-211) and who maintain a satisfactory standing in the full work of each year, may be graduated in three years. Other students will require four years. But a young man who comes with attainments beyond what are required for matriculation, or who possesses unusual ability, may complete the work in less than three

years. No one is kept back by the requirements of the ordinary class system.

ADVISERS.

Before an undergraduate student begins his academic work, the President designates one of his principal instructors to act as his Adviser. The approval of the Adviser is necessary before the student can enter upon any course of study; no instructor will receive into a class any student who does not bring with him (in a book provided for that purpose) assurance that his Adviser approves his pursuing the study at that time; and no student is allowed, without the consent of his Adviser, to discontinue any work. Each Adviser endeavors to establish relations of friendliness and confidence with the students assigned to his care; he not only gives counsel in regard to the selection of studies, but promotes the welfare of his students in every practicable way.

REQUIREMENTS FOR ADMISSION.

Those who wish to pursue undergraduate courses are expected to appear at the regular times appointed for examination in June and September. Persons at a distance desiring information are requested to write for a blank form of "Application for Admission," which may be filled up and returned to the university. Upon its receipt, such counsel will be given as the case requires.

(*a*) MATRICULATED STUDENTS

Students who fully meet, at entrance, the requirements for matriculation (as stated on pages 209-211), and who maintain a satisfactory standing in the full work of each year, may be graduated in three years.

Students who fail to meet, at entrance, the full matriculation requirements, or whose work, after admission, is unsatisfactory, will need a longer period of residence.

The matriculation examination may be divided, and a part of the subjects passed in one year and the rest a year later, according to the regulations prescribed below (see page 212).

When a school, approved by the Academic Council, shall certify that a candidate has satisfactorily completed *all the studies requisite for matriculation,* such candidate will be exempted from examination, except in the following subjects: Trigonometry, Analytic Geometry, Cicero or Vergil (as the candidate may prefer), Latin Prose Composition, Homer or Herodotus (as the candidate may prefer), Greek Prose Composition, the minor courses in French and German, English, and Science. The examination in these subjects may be divided between June and September of the same year, but, except in the case of English, not between successive years.

(*b*) CANDIDATES FOR MATRICULATION

The matriculation examination may be passed, at entrance, by those who have completed the courses now offered in several preparatory schools of Baltimore. Persons taught elsewhere are often unable to obtain instruction in all the subjects requisite for matriculation. To meet the needs of such students, terms of admission are offered (as described on page 213), corresponding to the terms of admission to other colleges of established reputation. Students who satisfy these requirements may be admitted to the course of study described on pages 191, 192. In the case of such persons, a residence of four years will be necessary to the attainment of the degree of Bachelor of Arts.

(*c*) SPECIAL STUDENTS

The University discourages from entering as special students those who are not qualified, by age, character,

attainments, and habits of study, to attend its classes and lectures with profit to themselves and credit to the institution. The authorities are, however, ready to receive, as special students, properly qualified persons who have some good reason for not pursuing the full course. A special examination is arranged for such persons (see page 213). Many excellent students have been thus enrolled, among whom not a few have subsequently changed their plans, passed the matriculation examination, and at length received the degree of Bachelor of Arts. The privilege once accorded will be forfeited at any time, if the student is found unworthy of it.

Requirements for Matriculation

1. *Mathematics.*—Algebra; Plane and Solid Geometry; Plane Trigonometry; Analytic Geometry. A competent knowledge of Arithmetic (including the metric system) is assumed.

The requirements in Algebra are as follows:

(*A*). To Quadratics, including the four fundamental rules, the use of parentheses, factoring, highest common factor, lowest common multiple, complex fractions, equations of the first degree in one or more unknown quantities, and problems leading to such equations, inequalities, radicals, and the use of fractional and negative exponents.

(*B*). Quadratics and beyond, including quadratic equations in one and two unknown quantities, and problems leading to such equations, the theory of quadratic equations in one unknown quantity, ratio and proportion, the progressions, the elementary treatment of permutations and combinations, the binomial theorem for positive integral exponents, and the use of logarithms.

The subjects required in Plane and Solid Geometry and in Trigonometry are those treated in the ordinary text-books.

The subjects required in Analytic Geometry are the straight line in rectangular co-ordinates, transformation of co-ordinates, loci, and plotting of curves.

Substitutions: Students selecting groups which do not include Minor Mathematics or Major Physics may, in case they offer Greek for matriculation, substitute the elements of either German or French (*4a* or *5a*, page 210) for Analytic Geometry; or the elements of both German and French for Plane Trigonometry and Analytic Geometry.

Students selecting groups which do not include Minor Mathematics or Major Physics, may, in case they offer—in place of Greek—German and French (*4a* and *4b*, or *5a* and *5b*, page 210) for matriculation, substitute for Plane Trigonometry and Analytic Geometry (*a*) the Minor Course in Latin, or (*b*) the Minor Course in French or in German.

2. *Latin.*—Cæsar, *Gallic War*, five books; Vergil, *Eclogues*, and *Aenid*, six books; Ovid, 2500 lines; Cicero, seven orations (including *de imperio Pompeii, pro Archia, and in Verrem, act I*); translation of easy English prose into Latin.

Substitution: Sallust's *Catiline* may be substituted for one book of Cæsar, and Cicero's *de Senectute* for the *de imperio Pompeii*.

The examination will test the power of exact and idiomatic translation, the knowledge of forms, of syntax, and of prosody. In certain cases a candidate may be allowed to take an oral, instead of a written, examination. If, for instance, he has not been prepared on the books above prescribed, but has read about the same amount in other books, he may be examined on these.

experiments described in Remsen's "Laboratory Manual," and to present their laboratory note-books for examination. The requirements in Botany include a knowledge of the structure of plants, such as may be obtained from a study of Spaulding's "Introduction to Botany," excluding the microscopic work, and the ability to use Gray's Manual in determining the species of flowering plants. The examination will be mainly practical. In order to absolve the requirements in Physical Geography, the student must pass an examination on Davis's "Physical Geography," or Tarr's "Elementary Physical Geography."

Division of the Matriculation Examination

A student may pass a part of the matriculation examination one year before his admission to the University, and receive credit for the same under the following conditions:

In his application *he must distinctly declare his intention to divide the examination.* The subjects passed will not count towards matriculation, unless the candidate completes his matriculation the following year. The first part of the divided examination will be confined to the following subjects, of which the candidate will be expected to pass in English (part I), Algebra, one Latin author, and three of the remaining subjects:*

English (Part I).
Algebra (A). (See p. 209).
Plane Geometry.
Cæsar, *Gallic War,* five books.
Vergil, *Aeneid,* books i-vi.
Xenophon, or French, or German.
History of the United States or of Greece.
History of England or of Rome.
Science.

*Schools approved by the Academic Council, according to the plan described on page —, may recommend, for examination in English (part I) and in Science, candidates who do not wish to attempt the other subjects required in the first part of the divided examination.

If French or German is offered in place of Xenophon, the candidate will be examined as follows:

In *German:* Vos, *Essentials of German;* Vos, *Materials for German Conversation,* pp. 1-35 (I-XLVIII); Schiller's *Wilhelm Tell;* Prose Composition, sentences of moderate difficulty to be translated into German at sight.

Or in *French:* The Fraser and Squair *French Grammar, Part I,* with the exercises; Kuhns' *French Reader;* About, Augier, Dumas (as on page 210); Prose Composition, sentences of moderate difficulty to be translated into French at sight.

The whole of the above amounts must be offered.

Requirements for Admission as a Candidate for Matriculation

1. *Mathematics.*—Algebra (A and B); Plane Geometry (as for matriculation). A competent knowledge of Arithmetic (including the metric system) is assumed.
2. *Latin.*—Cæsar, *Gallic War,* five books; Ovid, 1000 lines; Vergil, *Aeneid,* books i-vi; Cicero, six orations; translation of easy English prose into Latin.
3. *Greek.*—Xenophon, *Anabasis,* books i-iv; Homer, *Iliad,* books i-iii; translation of easy English sentences into Greek.
4. *German* and *French* (in substitution for *Greek*): .
   GERMAN.—Vos, *Essentials of German;* Vos, *Materials for German Conversation,* pp. 1-35 (I-XLVIII); Storm, *Immensee;* Gerstäcker, *Germelshausen.*
   FRENCH.—The Fraser and Squair *French Grammar, Part I;* Kuhns' *French Reader;* Labiche and Martin, *Le Voyage de M. Perrichon.*
5. *English,*—(as for matriculation).
6. *History,*—(as for matriculation).
7. *Science,*—(as for matriculation).

Requirements for Admission as a Special Student

Before an undergraduate is admitted as a special student, he will be required, unless expressly excused for definite reasons, to pass examinations in the following subjects:

1. *Mathematics.*—Algebra (A and B); Plane and Solid Geometry. (As for matriculation.) A competent knowledge or Arithmetic (including the metric system) is assumed.
2. *Latin.*—Cæsar, *Gallic War,* five books; Cicero, six orations; Vergil, *Aeneid,* books i-vi, and *Eclogues.*
   SUBSTITUTION: Students who wish to pursue studies other than linguistic or historical, may substitute for the requirement in Latin the full amount of Mathematics requisite for matriculation (page 209).
3. *Greek.*—Xenophon, *Anabasis,* books i-iv; Homer, *Iliad,* books i, ii.
   SUBSTITUTION: Students who do not offer Greek, will be examined in French or German as specified under "Division of the Matriculation Examination" (page 212), and in the History of Greece and Rome.
4. *English,*—(as for matriculation).
5. *United States History,*—(as for matriculation).
6. *Science,*—(as for matriculation).

The amount of text above stated should be sufficient to prepare the student to undergo an examination for which no attempt will be made to select a passage previously read.

Candidates are required to specify, in their applications, the books they have read.

3. *Greek.*—Xenophon, *Anabasis,* books i-iv; Homer, *Iliad,* books i-iv; Herodotus, book vii; translation of easy English prose into Greek.

Candidates will be expected to show an accurate knowledge of forms, and an acquaintance with the common rules of syntax and accent and with the prosody of the Homeric poems.

In case any candidate has made his preparation by the study of books other than those named above, or for any reason believes that an oral examination would be for his advantage, he may be examined upon easy passages previously unseen; if he acquits himself well, he will be required to put on paper only the passage given to be translated into Greek prose.

4, 5. *German and French.*—Candidates not offering Greek must offer one of the following combinations. In one of the modern languages the elements are required; in the other an amount of knowledge equal to that represented by the minor or first year's collegiate course:

4

(*a*) *German: Elements.*

The elementary course is intended to include translation and reading at sight of easy dialogue and narrative prose. The candidate must also be able to render into German short English sentences, taken from the language of everyday life, or based on the texts for translation.

Candidates should give particular attention to pronunciation, to the acquisition of an elementary German vocabulary, and to an accurate knowledge of the rudiments of grammar.

The following books are recommended:

Vos, *Essentials of German;* Vos, *Materials for German Conversation,* pp. 1-35 (I-XLVIII); Storm, *Immensee;* Gerstäcker, *Germelshausen.*

(*b*) *French: Minor Course.*

Grammar: Fraser and Squair: *French Grammar and Reader* entire.

Translation into French of a passage of English prose based on a French text given.

Translation: Kuhns' *French Reader;* Labiche: *Le Voyage de M. Perrichon;* About: *La Mère de la Marquise;* Dumas: *La Question d'Argent;* Augier: *Le Gendre de M. Poirier;* Daudet: *Contes* (ed. Cameron); Molière: *L'Avare;* Hugo: *Hernani.*

5

(*a*) *French: Elements.*

Grammar: The rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plural of nouns, the inflection of adjectives, participles, and pronouns, the use of personal pronouns, common adverbs, prepositions, and conjunctions, the order of words in the sentence, and the elementary rules of syntax. Easy exercises in French Composition. *Part I* of the Fraser and Squair *French Grammar* is recommended as a text book.

Translation: Kuhns' *French Reader;* Labiche and Martin, *Le Voyage de M. Perrichon.*

(*b*) *German: Minor Course.*

Vos, *Essentials of German;* Vos, *Materials for German Conversation,* pp. 1-35 (I-XLVIII); Storm, *Immensee;* Gerstäcker, *Germelshausen;* von Wildenbruch, *Das Edle Blut;* von Moser, *Der Bibliothekar;* Riehl, *Der Fluch der Schonheit;* Schiller, *Wilhelm Tell* (ed. Palmer); Lessing, *Minna von Barnhelm* (ed. Cutting); Goethe, *Hermann und Dorothea* (ed. Thomas); Prose Composition (Whitney's *Grammar,* Exercises, 2nd Series).

The amount of German and French accepted as a substitute for Greek at matriculation may not count also as a part of the work required for graduation.

READING AT SIGHT. The language papers, both ancient and modern, will contain one passage, or more, of moderate difficulty, not included in the prescribed lists. A good handling of passages previously unseen will go far toward compensating for deficiencies in the formal requirements. This does not apply, however, to the examination in the *elements* of French and German.

6. *English.*—The examination will consist of two parts:

I. READING. The candidate will be required to write a paragraph or two on each of several topics chosen by him from a considerable number —perhaps ten or fifteen—set before him in the examination paper. This part of the examination is designed, primarily, to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. As additional evidence of preparation, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work.

In 1904 and 1905: Shakespeare's *The Merchant of Venice* and *Julius Cæsar*; *The Sir Roger de Coverley Papers* in *The Spectator*; Goldsmith's *The Vicar of Wakefield*; Coleridge's *The Ancient Mariner*; Scott's *Ivanhoe*; Carlyle's *Essay on Burns*; Tennyson's *The Princess*; Lowell's *The Vision of Sir Launfal*; George Eliot's *Silas Marner*.

In 1906 and 1907: Shakespeare's *The Merchant of Venice* and *Macbeth*; *The Sir Roger de Coverley Papers* in *The Spectator*; Irving's *Life of Goldsmith*; Coleridge's *The Ancient Mariner*; Scott's *The Lady of the Lake* and *Ivanhoe*; Tennyson's *Gareth and Lynette, Lancelot and Elaine*, and *The Passing of Arthur*; Lowell's *The Vision of Sir Launfal*; George Eliot's *Silas Marner*.

II. STUDY AND PRACTICE. This part of the examination presupposes the careful study of each of the works named below. The examination will be upon subject-matter, form, and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy.

The books set for this part of the examination will be:

1904 and 1905: Shakespeare's *Macbeth*; Milton's *L'Allegro, Il Penseroso, Comus*, and *Lycidas*; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*.

In 1906 and 1907: Shakespeare's *Julius Cæsar*; Milton's *L'Allegro, Il Penseroso, Comus*, and *Lycidas*; Burke's *Speech on Conciliation with America*; Macaulay's *Essay on Milton* and *Life of Johnson*.

The reading and study of the works named above is recommended to all candidates; equivalents will, however, be accepted, provided that the amount of reading be about equally divided between prose and verse.

In connection with the reading and study of the required books, parallel or subsidiary reading should be encouraged, and a considerable amount of English poetry should be memorised. The essentials of English Grammar should not be neglected in preparatory study.

NOTE.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or division into paragraphs.

Although candidates will be permitted to take the entire examination at the time of entrance, it is strongly recommended that Part I be taken as a preliminary examination, and Part II as a final examination. Candidates will thus have an opportunity to make up deficiencies which may be discovered at the preliminary examination, and to enter the university without a condition in English.

7. *History.*—The outlines of the History of England and the United States, or of the History of Greece and Rome, and the outlines of Geography.

8. *Science.*—The elements of Chemistry, Botany, or Physical Geography.

The examination is intended to determine whether the candidate has a knowledge of the elementary facts of one of these sciences, based on practical study. Those who take the examination in Chemistry will be examined in Remsen's "Elements of Chemistry," and will be required to have performed the

experiments described in Remsen's "Laboratory Manual," and to present their laboratory note-books for examination. The requirements in Botany include a knowledge of the structure of plants, such as may be obtained from a study of Spaulding's "Introduction to Botany," excluding the microscopic work, and the ability to use Gray's Manual in determining the species of flowering plants. The examination will be mainly practical. In order to absolve the requirements in Physical Geography, the student must pass an examination on Davis's "Physical Geography," or Tarr's "Elementary Physical Geography."

Division of the Matriculation Examination

A student may pass a part of the matriculation examination one year before his admission to the University, and receive credit for the same under the following conditions:

In his application *he must distinctly declare his intention to divide the examination.* The subjects passed will not count towards matriculation, unless the candidate completes his matriculation the following year. The first part of the divided examination will be confined to the following subjects, of which the candidate will be expected to pass in English (part I), Algebra, one Latin author, and three of the remaining subjects:*

English (Part I).
Algebra (A). (See p. 209).
Plane Geometry.
Cæsar, *Gallic War,* five books.
Vergil, *Aeneid,* books i-vi.
Xenophon, or French, or German.
History of the United States or of Greece.
History of England or of Rome.
Science.

*Schools approved by the Academic Council, according to the plan described on page —, may recommend, for examination in English (part I) and in Science, candidates who do not wish to attempt the other subjects required in the first part of the divided examination.

If French or German is offered in place of Xenophon, the candidate will be examined as follows:

In *German:* Vos, *Essentials of German;* Vos, *Materials for German Conversation,* pp. 1-35 (I-XLVIII); Schiller's *Wilhelm Tell;* Prose Composition, sentences of moderate difficulty to be translated into German at sight.

Or in *French:* The Fraser and Squair *French Grammar, Part I,* with the exercises; Kuhns' *French Reader;* About, Augier, Dumas (as on page 210); Prose Composition, sentences of moderate difficulty to be translated into French at sight.

The whole of the above amounts must be offered.

Requirements for Admission as a Candidate for Matriculation

1. *Mathematics.*—Algebra (A and B); Plane Geometry (as for matriculation). A competent knowledge of Arithmetic (including the metric system) is assumed.
2. *Latin.*—Cæsar, *Gallic War,* five books; Ovid, 1000 lines; Vergil, *Aeneid,* books i-vi; Cicero, six orations; translation of easy English prose into Latin.
3. *Greek.*—Xenophon, *Anabasis,* books i-iv; Homer, *Iliad,* books i-iii; translation of easy English sentences into Greek.
4. *German* and *French* (in substitution for *Greek*):
   GERMAN.—Vos, *Essentials of German;* Vos, *Materials for German Conversation,* pp. 1-35 (I-XLVIII); Storm, *Immensee;* Gerstäcker, *Germelshausen.*
   FRENCH.—The Fraser and Squair *French Grammar, Part I;* Kuhns' *French Reader;* Labiche and Martin, *Le Voyage de M. Perrichon.*
5. *English,*—(as for matriculation).
6. *History,*—(as for matriculation).
7. *Science,*—(as for matriculation).

Requirements for Admission as a Special Student

Before an undergraduate is admitted as a special student, he will be required, unless expressly excused for definite reasons, to pass examinations in the following subjects:

1. *Mathematics.*—Algebra (A and B); Plane and Solid Geometry. (As for matriculation.) A competent knowledge or Arithmetic (including the metric system) is assumed.
2. *Latin.*—Cæsar, *Gallic War,* five books; Cicero, six orations; Vergil, *Aeneid,* books i-vi, and *Eclogues.*
   SUBSTITUTION: Students who wish to pursue studies other than linguistic or historical, may substitute for the requirement in Latin the full amount of Mathematics requisite for matriculation (page 209).
3. *Greek.*—Xenophon, *Anabasis,* books i-iv; Homer, *Iliad,* books i, ii.
   SUBSTITUTION: Students who do not offer Greek, will be examined in French or German as specified under "Division of the Matriculation Examination" (page 212), and in the History of Greece and Rome.
4. *English,*—(as for matriculation).
5. *United States History,*—(as for matriculation).
6. *Science,*—(as for matriculation).

Schedule of Matriculation Examinations, 1904

Wednesday, June 15 and September 28.

9-10 a. m.—History.
10-11 a. m.—Science.
11 a. m.-1 p. m.—English.
3-6 p. m.—Latin.

Thursday, June 16 and September 29.

9-11 a. m.—Arithmetic and Algebra.
11 a. m.-12 m.—French and German (*elements*).
3-6 p. m.—Plane and Solid Geometry.

Friday, June 17 and September 30.

9-10.30 a. m.—Trigonometry.
10.30 a. m.-12 m.—Analytic Geometry.
3-6 p. m.—Greek.
3-6 p. m.—French and German (minor courses).
3-4 p. m.—German (elements).

II. FACULTY OF MEDICINE

Terms of Admission

The courses in medicine given in this university are planned for the professional education of those students who have been especially fitted to receive instruction by a course of preliminary training in the liberal arts, and especially in those branches of science, like physics, chemistry, and biology, which underlie the medical sciences. Men and women are admitted upon the same terms.

The following classes of students are received as candidates for the degree of Doctor of Medicine:

1. Those who have satisfactorily completed the Chemical-Biological course which leads to the A. B. degree in this university.

2. Graduates of approved colleges or scientific schools who can furnish evidence: (*a*) That they have acquaintance with Latin and a reading knowledge of French and German; (*b*) That they have such knowledge of physics, chemistry, and biology as is imparted by the regular minor courses given in these subjects in this university.

The phrase "a minor course," as here employed, means a course that requires a year for its completion. In each of these scientific courses, four class-room exercises and two afternoons a week in the laboratory are required.

Many inquiries have been received regarding the character and amount of the requisite training indicated by the term "minor course" in these sciences. In explanation it may be stated, with respect to biology, that the candidate should have followed for at least a year a laboratory course in the structure, life history, and vital activities of selected types of animal and vegetable life. In the Chemical-Biological course for undergraduates in this university, the laboratory work in biology (minor course) at present includes the study of such types as amœba, hæmatococcus, yeast, penicilium, bacteria, mushroom, hydra, vorticella, a fern, a flowering plant, the earthworm, lobster, anodon; the gross and minute anatomy of the frog, the development of its eggs, the structure, formation, and met-

amorphoses of the tadpole; dissection of a mammal; the field and laboratory study of some few flowering plants. The laboratory work is the most important part, the lectures and other exercises subsidiary. It is, of course, not to be understood that this curriculum of biological work must be rigidly followed. Equivalent work will be accepted.

The candidate should have followed a course in general chemistry for at least a year. This course should include laboratory work, about five hours a week through the year, and lectures and class-room work covering the outlines of inorganic chemistry and the elements of organic chemistry. A good knowledge of the subject as presented in Remsen's "Introduction to the Study of Chemistry" may be regarded as the minimum requirement. A fuller knowledge of chemistry is desirable.

In physics, the candidate should have followed a collegiate course for at least one year. This should include four hours a week of class-room work and at least one afternoon a week of quantitative work in the laboratory. Special attention should be given to theoretical mechanics and to the mechanical and electrical experiments.

In Latin the candidate should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Cæsar or their equivalent.

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school, and the knowledge of French, German, Latin, physics, chemistry, and biology above indicated.

Applicants for admission will receive blanks to be filled out relating to their previous courses of study.

They are required to furnish certificates from officers of the colleges or scientific schools where they have studied, as to the courses pursued in physics, chemistry, and biology. If such certificates are satisfactory, no examination in these subjects will be required from those who possess a degree in arts or in science from an approved college or scientific school.

Hearers and special workers, not candidates for a degree, will be received at the discretion of the Faculty.

ADMISSION TO ADVANCED STANDING

Applicants for admission to advanced standing must furnish evidence (1) that the foregoing terms of admission as regards preliminary training have been fulfilled,

(2) that courses equivalent in kind and amount to those given here, preceding that year of the course for admission to which application is made, have been satisfactorily completed, and, (3) must pass examinations, at the beginning of the session in October, in all the subjects that have been already pursued by the class to which admission is sought. Certificates of standing elsewhere cannot be accepted in place of these examinations.

General Plan of Instruction

The course of instruction is planned for those who have received a liberal education and the training in physics, chemistry, and general biology which has been specified. The required period of study for the degree of Doctor of Medicine is four years. The academic year begins on the first of October and ends about the middle of June. There are short recesses at Christmas and Easter.

The first two years of the course are devoted mainly to the fundamental medical sciences, a large part of the time being spent in practical work in the laboratories. In the last two years, medicine, surgery, obstetrics, and the various specialties are studied in the clinical laboratories, the dispensary, and the wards of the hospital.

The principal studies of the first year are anatomy, including normal histology, microscopic anatomy, embryology, physiology, and physiological chemistry. The study of anatomy and physiology is continued in the second year. Throughout the second year general pathology, pathological anatomy, and pharmacology are studied. A practical course in bacteriology, with the chief emphasis upon its hygienic and pathological bearings, is given during three months of this year.

Upon the basis of thorough training in the medical sciences, pursued during the first two years of the course, the student should be well fitted to undertake the study of practical medicine and surgery.

During the third year the general principles of medicine, surgery, and obstetrics are studied, and clinical instruction in medicine and surgery is given. The study of certain special branches of medicine is also begun. Leading features of the work of this year are the courses in the clinical laboratories and practical work in the dispensary.

During the fourth year the practical study of medicine, surgery, and obstetrics is continued, and instruction is given in gynecology and in the various special branches of medicine and surgery, viz: dermatology, diseases of the nervous system, genito-urinary diseases, laryngology, ophthalmology and otology, paediatrics, and psychiatry. In this year the students serve as clinical clerks and surgical dressers in the wards of the hospital and are in daily attendance at special classes in the dispensary. They also attend cases of labor in the obstetrical wards of the hospital, and, under proper supervision, in the homes of patients. For the ward and dispensary work the class is divided into small groups.

Instruction in hygiene, medical zoology, forensic medicine, and medical history is provided during the course.

Work in the dissecting room, in the laboratory, and at the bedside, demonstrations, clinics, lectures, and recitations are the main features of the methods of instruction. Simply didactic lectures occupy a subsidiary position, as compared with instruction by recitations and demonstrations and especially by practical work in the various laboratories, in the hospital wards, and in the dispensary. In consequence of the high standard of admission, the classes are not likely to be excessively large, and abundant opportunity is therefore afforded for practical work for each student and for personal contact between teacher and student.

Special Courses for Graduates in Medicine

Special courses of instruction for graduates in medicine are given during the months of May and June. These courses are in Anatomy, Histology, Pathology, Bacteriology, Clinical Microscopy, Medicine (including Diseases of Children and of the Nervous System), Surgery, Gynecology, Obstetrics and the various special branches of Medicine. The instruction is intended to meet the requirements of practitioners of medicine, and is almost wholly of a practical character. It includes laboratory courses, demonstrations, bedside teaching, and clinics in the wards, dispensary, amphitheatre, and operating rooms of the hospital, together with special courses of lectures on topics of general interest.

Detailed statements as to the courses of instruction and other information are given in the annual Catalogue and Announcement, which will be sent upon application to the Registrar of the Medical Department.

FELLOWSHIPS

I. Fellowships by Courtesy

The Academic Council may, at their discretion, by special vote, enroll as Fellows by Courtesy—

(*a*) Gentlemen who are or who have been teachers in colleges and other like institutions, and who wish, for brief periods, to avail themselves of the opportunities here afforded for study and for the use of books and laboratories.

(*b*) Holders of fellowships in other colleges, during their residence here.

(*c*) Those who have been fellows of this University and desire to continue in residence.

Fellows by Courtesy will not be exempt from the payment of fees, except by a special vote.

II. Fellowships

Twenty fellowships, each yielding five hundred dollars but not exempting the holder from the charges for tuition, are annually awarded in this University.

The system of fellowships was instituted for the purpose of affording to young men of talent from any place an opportunity of continuing their studies in the Johns Hopkins University, while looking forward to positions as professors, teachers, and investigators, or to other literary and scientific vocations. The fellowships are given to young men who wish to follow systematically through the year the instructions of the teachers here engaged, and those who are appointed are expected to proceed to the degree of Doctor of Philosophy. The appointments are not made as rewards for good work already done, but as aids and incentives to good work in the future; in other words, the fellowships are not so much honors and prizes bestowed for past achievements, as helps to further progress and stepping-stones

to honorable intellectual careers. They are not offered to those who are definitely looking forward to the practice of any one of the three learned professions (though such persons are not formally excluded from the competition), but are bestowed almost exclusively on young men desirous of becoming teachers of science and literature, or proposing to devote their lives to special branches of learning which lie outside of the ordinary studies of the lawyer, the physician, and the minister. Appointments are rarely if ever made of graduates of more than five years' standing.

Each candidate is expected to submit his college diploma or other certificate of proficiency from the institution where he has been taught, with recommendations from those who are qualified to speak of his character and attainments. But this is only introductory. He must also submit, orally or in writing, such evidence of his past success in study and of his plans for the future, together with such examples of his literary or scientific work, as will enable the professors to judge of his fitness for the post. The examination, is, indeed, in a certain sense competitive; but not with uniform tests, nor by formal questions submitted to the candidates. First, the head of a given department considers, with such counsel as he may command, the applicant's record. The professors then collectively deliberate on the nominations made by individual members of their body. The list upon which they agree, with the reasons for it, is finally submitted by the President of the University to the Executive Committee, and by them to the Trustees for final registration and appointment. By all these precautions the highest results which were anticipated have been secured. A company of most promising students has been brought together, and their ability as teachers and scholars has been recognized by the calls they have received to permanent and desirable posts in various parts of the country.

The number of applications for fellowships has hitherto been very large, and it may have happened that some candidates have failed of appointment who were really superior to those selected. But, if so, this has resulted from the fact that a considerable number of applicants have each year forwarded to the University merely testimonials from their instructors, without any such examples of their own work as have been mentioned above; and, in consequence, the professors, from want of adequate knowledge have possibly passed over candidates who may have been in the highest degree meritorious.

The applicants are notified of the result by means of a printed list of the successful candidates.

The absence of candidates from Baltimore has been no bar to their appointment, in cases where adequate evidence of their claims has been presented; but it is obvious, from the nature of the case, that graduate students residing in Baltimore must have better opportunities than others of making known their powers to the appointing board, and during the last few years the number of persons appointed, who had not previously been resident here, is very small.

REGULATIONS.

1. The application must be made prior to May 1, in writing, addressed to the President of the University, and he will refer the papers to the Academic Council, by whom the nominations will be made to the Board of Trustees, at their meeting in June. There is no prescribed form of application.

2. The candidate must give evidence of a liberal education, such as the diploma of a college of good repute; of decided proclivity towards a special line of study, such as an example of some scientific or literary work already performed; and of upright character such as a testimonial from some instructor.

3. The value of each fellowship is five hundred dollars. The holder is not exempt from the charges for tuition. In case of resignation, promotion, or removal from the fellowship, payments will be made for the time during which the office shall have been actually held.

4. Every holder of a fellowship will be expected to perform such duties as may be allotted to him in connection with his course of study, to act when called upon as an examiner or as moderator in the examination room, to give all his influence for the promotion of

scholarship and good order, and in general to co-operate in upholding the efficiency of the University, as circumstances may suggest. He must reside in Baltimore during the academic year.

5. He will be expected to devote his time to the prosecution of special studies (not professional), under the direction of the head of the department to which he belongs, and before the close of the year to give evidence of progress by the preparation of a thesis, the completion of a research, the delivery of a lecture, or by some other method.

6. He may give instruction, with the approval of the President, by lectures or otherwise, to persons connected with the University, but he may not engage in teaching elsewhere.

7. He may be reappointed at the end of the year, but only for exceptional reasons.

8. Usually not more than two fellows will be appointed in any department of study.

9. As these fellowships are awarded as honors, those who are disposed, for the benefit of others, or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the honor list.

III. Adam T. Bruce Fellowship

This fellowship was founded in 1887 by the mother of Adam T. Bruce, Ph. D., late Fellow and Instructor in this University, as a memorial of her son, and is awarded annually. It is bestowed by the appointing board upon the candidate whom they consider most likely to promote biological science, and especially animal morphology, by original research. The stipend is the income of the Adam T. Bruce Fellowship endowment of ten thousand dollars. Preference is given to those who have already held fellowships in the Johns Hopkins University.

The electors consist of the President of the University, the chief instructor in animal morphology, the chief instructor in animal physiology, and a non-resident member annually chosen by the resident electors.

Regulations.

Candidates for the Bruce Fellowship must make application, in writing, to the President of the Johns Hopkins University before the first of May of the year of their candidature. They must forward to the President, at the same time, such evidence of their qualifications for appointment as they desire to be considered by the electors.

The electors may require any candidate to appear before them in person.

The Bruce Fellow shall devote his time to study and research in Biology at a place approved of by the President of the University, and he shall, during the month of February in the year of his tenure of the fellowship, send to the President a written statement of the scientific work accomplished by him since his appointment.

The tenure of the fellowship shall commence on the first of September in the year of appointment.

Two hundred and fifty dollars shall be paid to the Fellow on October 1, and the remainder at convenient intervals during the tenure of the fellowship.

The holder of the Bruce Fellowship shall not be more than thirty years of age at the date of his election.

The Bruce Fellow may be re-elected, but not oftener than twice.

The holder of the fellowship shall be exempt from charges for tuition.

The electors shall have the power to declare the fellowship vacant if its holder prove, in their opinion, unworthy; and no further stipend shall be paid to such person.

IV. William S. Rayner Fellowship

The Rayner Fellowship was founded by Mrs. Bertha Rayner Frank and Mr. Albert W. Rayner, of Baltimore, to perpetuate in this university the name of their father, Mr. William S. Rayner, who had made unusual attainments in the Hebrew language and was interested in the promotion of Semitic studies. The gift amounted to ten thousand dollars, and the income is available for a fellowship, which is bestowed annually by the Academic Council upon an advanced student in the department of Semitic Languages.

SCHOLARSHIPS

[Regulations approved by the Trustees April 3, 1899, on the recommendation of the Academic Council, the Board of University Studies, and the Board of Collegiate Advisers.]

I. University Scholarships

For the encouragement of scholarship among those who have taken the baccalaureate degree and wish to continue their studies here, a certain number of university scholarships are annually bestowed, as stated below:

1. A number, not exceeding five, are awarded at the opening of the academic year, by the Board of University Studies, to young men who completed their undergraduate course in this University at the close of the preceding session and received honors at Commencement.

2. Ten are open about the first of January to graduates of this or other institutions, who have been studying here during the previous part of the session. Those who wish to be candidates must address their applications to the President of the University, who will appoint a committee of five to consider the applications, and with the aid of such evidence as may be obtained, to make nominations to the Board of University Studies.

3. These scholarships entitle the holders to free tuition, and are tenable for one year. They do not carry exemption from laboratory fees.

4. They are awarded as honors, and those who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, or who are desirous of studying elsewhere, may do so and still have their names retained on the honor list. Those who receive the emolument will be expected to pursue their studies exclusively in this University.

5. The Board will reserve appointments, if worthy candidates do not offer.

II. Hopkins Scholarships

In the will of the founder of the University, his Trustees are requested to "establish, from time to time, such number of free scholarships in said University as may be judicious, and to distribute the said scholarships among such candidates from the States of Maryland, Virginia, and North Carolina, as may be most deserving of choice, because of their character and intellectual promise, and to educate the young men so chosen free of charge."

Forty-five such scholarships, entitling the holders to free tuition will be bestowed for the next academic year, —upon fifteen students from each of the three States named.

Students can be recognized as candidates only when actual residents of the State from which they desire to be appointed, during at least the year next preceding their enrolment in the University. If the appointing board is not sure as to the legal residence of any candidate, the point in question shall be determined by the Executive Committee of the Board of Trustees.

These scholarships are all bestowed for merit, and are tenable for the year subsequent to the appointment, the holders being re-eligible.

Successful candidates who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the honor list. The scholarships may be forfeited because of frequent or prolonged absence, defective scholarship, or unworthy conduct.

Scholarships made vacant by resignation, by forfeiture, or by the non-appearance of worthy candidates at the regular times of selection, may be bestowed by the appointing board, at their discretion, upon other candidates who are found worthy, provided that the principles of this foundation are not departed from.

Holders of scholarships are not exempt from laboratory fees.

Hopkins Scholars from Maryland

These scholars are appointed by the Board of Collegiate Advisers, in accordance with the following regulations. No one will receive the honor whose standing as a whole is lower than "*good.*"

1. Five scholarships are open, at the beginning of the session, to those who have just completed their matriculation examination, and who stand best in a subsequent special examination in mathematics, Latin, and Greek (or French and German).

2. Five are awarded in June to those matriculated students whose records in the studies of the first year are most creditable. By "studies of the first year" is meant either the studies laid down for the first year in one of the regular groups, or such other studies, covering fifteen hours of class-room work weekly, as may be approved of by the Adviser.

3. Five are awarded for excellence in the studies of the second year, upon the same terms as in the case of the first year; provided that the candidate shall have absolved the studies of the first year as above defined.

Hopkins Scholars from North Carolina and Virginia

Fifteen Hopkins Scholarships are awarded by the Academic Council to students from Virginia, and fifteen to students from North Carolina, who have already received a creditable baccalaureate degree or its equivalent. In case the entire number of scholarships are not required for graduate students, those that remain may be awarded to undergraduates, in the order of their merit. Applications, in writing, should be filed at the President's office prior to June 1.

III. Washington Scholarships

The Trustees offer to residents of the District of Columbia two scholarships, yielding free tuition. These, like the Hopkins Scholarships, are awarded to undergraduate

students for merit, do not carry exemption from laboratory fees, and are tenable for one year, the holders being eligible for re-appointment.

IV. Woodyear Scholarships

These scholarships were founded in 1893 by Mrs. William E. Woodyear, of Baltimore, as a memorial of her husband. They are five in number—of the value of one hundred dollars each, and are awarded annually for exceptional merit among those who need pecuniary assistance. They are offered primarily to undergraduates.

V. Maryland Scholarships

The university offers to young men of Maryland needing pecuniary assistance twenty undergraduate scholarships,—in addition to the fifteen Hopkins Scholarships annually awarded to residents of Maryland.

These scholarships entitle the holders to free tuition, but do not carry exemption from laboratory fees. They are for the benefit of all parts of the State, and accordingly not more than one-half the number will be awarded to residents of the city and county of Baltimore, and not more than one-half to those who are now members of the University. The appointing board consists of the President of the Board of Trustees, the President of the University, and the Dean of the Collegiate Department. The usual entrance examinations must be passed by the candidates. Application must be made in accordance with a prescribed form.

PRIZES

The John Marshall Prize

This prize was established in 1891 by a lady living in New England. It consists of a bronze replica of a likeness of Chief Justice Marshall, and is awarded annually by the Academic Council to that graduate of the Johns Hopkins University who has made within the year the most valuable contribution to historical or political science.

The Henrico Medallion

This prize is the gift (made in 1902) of the Colonial Dames of America, Chapter I, and consists of a copper medallion bas-relief commemorating the foundation of a university at Henrico, in Virginia, in the year 1619. It is bestowed annually upon a graduate or student of the Johns Hopkins University, not more than ten years after his receiving the degree of Bachelor of Arts, as a recognition of work of special excellence in early American History.

The Tocqueville Medal

The Tocqueville gold medal is annually given to the Johns Hopkins University by the Baron Pierre de Coubertin, of Paris, and it is offered by the university to that student who shall have written the best essay on some subject illustrating any phase of French history, political or social, from 1815 to 1890, or a review of some important historical work published in France since 1890. The medal is given in honor of the illustrious Frenchman, Alexis de Tocqueville (1805-1859), author of the well-known historical and political studies, "Ancien Régime" and "Démocratie en Amérique."

The Sylvester Prize

The Sylvester Prize is the gift of several Baltimore gentlemen, and is offered to advanced students of mathematics as a reward for original research. It consists of a medallion likeness of Professor J. J. Sylvester, the first professor of mathematics in this university.

TUITION FEES AND EXPENSES

A

In the Philosophical Department

I. *Tuition Fees*

The charge for tuition is one hundred and fifty dollars per annum, payable at the Treasurer's office in semi-annual instalments, October 1 and February 1. There is no extra charge for instruction in any department of study, or for the use of the library and reading-room. A gymnasium fee of five dollars per annum is charged to every undergraduate during his residence in the University, and the money thus acquired is devoted to defraying the expenses of the University Athletic Association. Graduate students who use the gymnasium are also required to pay this fee. Fees are charged, as below stated, for registration, for material consumed in the laboratories, and for diplomas.

No deduction is made at the Treasurer's office because of absence for a period of less than half a year, or because a student gives only a part of his time to study, or because he belongs to but one class. Prompt payment of fees is required.

II. *Registration Fee and Caution Money*

Every student is required at entrance to pay a registration fee of five dollars and deposit ten dollars as caution money, the latter being repaid to him when he leaves the University, if there are no charges against him.

III. *Fees for Attendants on Single Courses*

Persons engaged in other pursuits—such as clergymen, lawyers, physicians, teachers—*who are not candidates for a degree*, are allowed to follow certain courses of lectures,

not exceeding five weekly, or to work in a scientific laboratory, at such times as may be arranged with the Director thereof, without attendance on lectures, on the payment, at entrance, of fifty dollars for the year, besides the registration fee and caution money. For a course of lectures not exceeding five weekly, with accompanying laboratory work, the fee is seventy-five dollars per annum, payable at entrance. Such persons are not regarded as members of the university, but are enrolled as "attendants upon lectures," and are entitled only to such privileges as they have paid for. Persons who desire to be so enrolled are required to make a special written application to the Registrar.

IV. *Laboratory Charges*

In Chemistry: For undergraduates and for graduates who take Chemistry as a subordiate subject, twenty-four dollars a year; for graduates and special students following Chemistry as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Physics: For students who work two afternoons a week, twenty-four dollars a year; for those who take Physics as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Biology: For students who work one afternoon a week, twelve dollars a year; for undergraduates and for graduates who take Zoology or Physiology as a subordinate subject, twenty-four dollars a year; for graduates and special students following a biological science as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Geology: For graduates, ten dollars a year.

In all the laboratories, a charge is made for breakage and for apparatus not returned in good condition.

Fellows by Courtesy and others who have the privileges of guests in the various laboratories, are expected to pay the usual laboratory charges.

Doctors of Philosophy of this university who desire to remain for a time in the university after having received their diplomas, may do so without charge for tuition, but they are required to pay the usual laboratory charges.

Exception to the foregoing charges can be made only at the written request of the Director of a laboratory, approved by the President of the university.

V. *Graduation Fees*

The graduation fees are as follows, payable before the delivery of diplomas:

Doctor of Philosophy, ...	$10.00
Bachelor of Arts, ...	5.00

B

In the Medical Department

The charge for tuition is two hundred dollars per annum, payable in semi-annual instalments, October 1 and February 1. There are no extra charges for registration, for graduation, for instruction in any department, or for laboratory courses, except in special cases for materials consumed.

To a student who does not possess a microscope, there is an annual charge of five dollars for the use of one, with an additional charge of two dollars for the use of an oil-immersion lens. One dollar is charged for the rental of a dissecting microscope for one year. The student is responsible for damage to the microscope thus rented.

A deposit of ten dollars as caution money is required from each student at the time of his enrolment. The caution money is repaid to the student when he leaves, if there are no charges against him. Special charges are made for breakage and for damage to apparatus.

Payment of bills may be made at the office of the Registrar in the physiological building, which is open

from 9 a. m. to 5 p. m., or at the office of the Treasurer, on North Howard St., which is open from 9 a. m. to 4.15 p. m.

The fees required of graduates of medical colleges who desire to follow special courses in medicine are stated in detail in the annual catalogue of the medical department.

Living Expenses

The university has no dormitories or other living accommodations. The students may find comfortable homes in the vicinity, in boarding houses or with families. The price of board ranges from three dollars and a half a week upward, and rooms may be had for one dollar and a half a week and upward.

Lists of desirable places are kept by the Secretary of the university branch of the Young Men's Christian Association and by the Registrar of the medical department.

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1905 No. 4

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REGISTER

OF

THE JOHNS HOPKINS UNIVERSITY

1904-05

BALTIMORE, MARYLAND
PUBLISHED BY THE UNIVERSITY
ISSUED MONTHLY FROM OCTOBER TO JULY
APRIL, 1905

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CALENDAR, 1905-06

The University Examinations of Undergraduates will begin Friday, June 2, 1905.

Commencement Day falls on the second Tuesday in June,—June 13, 1905, June 12, 1906.

The first Examinations for Admission and Matriculation will begin Wednesday, June 14, 1905, at 9 a. m.

The second Examinations will begin Wednesday, September 27, 1905, at 9 a. m.

The instruction of all classes will begin on the first Tuesday in October,—October 3, 1905.

Thanksgiving Day will fall on Thursday, November 30, 1905.

The first Intermediate Examinations of Undergraduates will be held December 20, 21, 22, 1905.

The Christmas Recess will begin Friday evening, December 22, 1905. Exercises will be resumed Tuesday morning, January 2, 1906.

Commemoration Day will fall on Thursday, February 22, 1906.

The Spring Recess will begin Thursday morning, April 12, 1906, and close Wednesday evening, April 18.

The University Examinations of Undergraduates (in 1906) will begin Friday, June 1.

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A. B., Johns Hopkins University, 1888, and Ph. D., 1891; Professor of Analytical Chemistry, Purdue University, 1892-95.

WILLIAM G. MACCALLUM, M. D., *Associate Professor of Pathology.*
A. B., University of Toronto, 1894; M. D., Johns Hopkins University, 1897; *Curator, Museum of Pathology; Resident Pathologist, the Johns Hopkins Hospital.*
The Johns Hopkins Hospital.

GEORGE B. SHATTUCK, PH. D., *Associate Professor of Physiographic Geology.*
S. B., Amherst College, 1892; Fellow, Johns Hopkins University, 1896-97, and Ph. D., 1897.
Sudbrook Park.

HARRY L. WILSON, PH. D., LL. D., *Associate Professor of Latin.*
A. B., Queen's University (Ont.), 1887, A. M., 1888, and LL. D., 1903; Fellow, Johns Hopkins University, 1895, and Ph. D., 1896; Professor (elect) of Latin, American School of Classical Studies in Rome, 1906-07. 414 Forest Road, Roland Park.

JOSEPH C. BLOODGOOD, M. D., *Associate Professor of Surgery.*
S. B., University of Wisconsin, 1888; M. D., University of Pennsylvania, 1891; *Associate in Surgery, the Johns Hopkins Hospital.* 923 N. Charles St.

HARVEY CUSHING, M. D., *Associate Professor of Surgery.* 3 W. Franklin St.
A. B., Yale University, 1891; A. M. and M. D., Harvard University, 1895; *Associate in Surgery, the Johns Hopkins Hospital.*

JOHN B. WHITEHEAD, JR., PH. D., *Associate Professor of Applied Electricity.*
Proficient in Applied Electricity, Johns Hopkins University, 1893, A. B., 1898, and Ph. D., 1902; Member, American Institute of Electrical Engineers. 1016 St. Paul St.

PERCY M. DAWSON, M. D., *Associate Professor of Physiology.*
A. B., Johns Hopkins University, 1894, M. D., 1898, and Fellow, 1898-99.
109 N. Broadway.

HUGH H. YOUNG, M. D., *Associate Professor of Genito-Urinary Surgery.*
A. B. and A. M., University of Virginia, 1893, and M. D., 1894; *Head of the Genito-Urinary Clinic, the Johns Hopkins Dispensary.* 1005 N. Charles St.

JOSEPH ERLANGER, M. D., *Associate Professor of Physiology.*
S. B., University of California, 1895; M. D., Johns Hopkins University, 1899, and Fellow, 1900.
126 Jackson Place.

WARREN H. LEWIS, M. D., *Associate Professor of Anatomy.* 516 Park Av.

S. B., University of Michigan, 1896; M. D., Johns Hopkins University, 1900.

PHILIP R. UHLER, LL. D., *Associate in Natural History.*

LL. D., New York University, 1900; Provost and Librarian of the Peabody Institute; President of the Maryland Academy of Sciences. 254 W. Hoffman St.

BERNARD C. STEINER, PH. D., *Associate in History.* 1038 N. Eutaw St.

A. B., Yale University, 1888, and A. M., 1890; Fellow, Johns Hopkins University, 1890-91, and Ph. D., 1891; LL. B., University of Maryland, 1894; Instructor in Williams College, 1891-92; Professor of Constitutional Law, Baltimore University, 1897-1900; Dean and Professor of Public Law, Baltimore Law School, 1900-04; Librarian, Enoch Pratt Free Library.

JAMES C. BALLAGH, PH. D., *Associate in History.*

A. B., Johns Hopkins University, 1894, and Ph. D., 1895.

415 Hawthorne Road, Roland Park.

ABRAHAM COHEN, PH. D., *Associate in Mathematics.* 1744 Park Av.

A. B., Johns Hopkins University, 1891, Fellow, 1893-94, and Ph. D., 1894.

J. ELLIOTT GILPIN, PH. D., *Associate in Chemistry.* 139 W. Lanvale St.

A. B., Johns Hopkins University, 1889, and Ph. D., 1892.

GEORGE C. KEIDEL, PH. D., *Associate in Romance Languages.*

A. B., Johns Hopkins University, 1889, Fellow, 1893-95, and Ph. D., 1895.

416 W. Hoffman St.

FRANK R. SMITH, M. D., *Associate in Medicine.* 1126 Cathedral St.

A. M., University of Cambridge (England), 1882; M. D., University of Maryland, 1891; *Head of the Medical Clinic, the Johns Hopkins Dispensary.*

HENRY BARTON JACOBS, M. D., *Associate in Medicine.*

A. B., Harvard University, 1883, M. D., 1887, and Assistant in Botany, 1883-85.

11 Mt. Vernon Place W.

STEWART PATON, M. D., *Associate in Psychiatry.* 213 W. Monument St.

A. B., Princeton University, 1886, and A. M., 1889; M. D., College of Physicians and Surgeons (N. Y.), 1889; Director of the Laboratory, Sheppard and Enoch Pratt Hospital; *Clinical Assistant, the Johns Hopkins Dispensary.*

OLIVER L. FASSIG, PH. D., *Associate in Meteorology.* 10 E. Madison St.

S. B., Ohio State University, 1892; Ph. D., Johns Hopkins University, 1899; Section Director, U. S. Weather Bureau.

THOMAS MCCRAE, M. D., *Associate in Medicine and Clinical Therapeutics.*

A. B., University of Toronto, 1891, M. B., 1895, and M. D., 1903; M. R. C. S. (England), 1900; *Associate in Medicine, the Johns Hopkins Hospital.* 935 St. Paul St.

CASWELL GRAVE, PH. D., *Associate in Zoology.* 218 E. Twenty-third St.

S. B., Earlham College, 1895; Fellow, Johns Hopkins University, 1898-99, Ph. D., 1899, and Bruce Fellow, 1900-01; Director of Research, Fisheries Laboratory, Beaufort, N. C.

GUY L. HUNNER, M. D., *Associate in Gynecology.* 1420 Eutaw Place.

S. B., University of Wisconsin, 1893; M. D., Johns Hopkins University, 1897.

SAMUEL AMBERG, M. D., *Associate in Pediatrics.* 1302 Madison Av.

M. D., University of Heidelberg, 1898; *Clinical Assistant in Pediatrics, the Johns Hopkins Dispensary.*

MURRAY P. BRUSH, PH. D., *Associate in Romance Languages.*

A. B., Princeton University, 1894; Ph. D., Johns Hopkins University, 1898; Instructor in Ohio State University, 1898-99. 20 E. Preston St.

CHARLES P. EMERSON, M. D., *Associate in Medicine.*

A. B., Amherst College, 1894; M. D., Johns Hopkins University, 1899; *Assistant Resident Physician in charge of the Clinical Laboratory, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital.

WILLIAM ROSENAU, PH. D., *Associate in Post-Biblical Hebrew.*

A. B., University of Cincinnati, 1888; Hebrew Union College of Cincinnati, 1889; Ph. D., Johns Hopkins University, 1900. 825 Newington Av.

J. EUSTACE SHAW, PH. D., *Associate in Italian.* 1114 Bolton St.

A. B., Johns Hopkins University, 1896, Fellow, 1899-1900, and Ph. D., 1900.

FLORENCE R. SABIN, M. D., *Associate in Anatomy.* 1415 Linden Av.

S. B., Smith College, 1893; M. D., Johns Hopkins University, 1900.

HENRY O. REIK, M. D., *Associate in Ophthalmology and Otology.*

M. D., University of Maryland, 1891; *Assistant in Ophthalmology and Otology, the Johns Hopkins Dispensary.* 412 Cathedral St.

LOUIS P. HAMBURGER, M. D., *Associate in Medicine.* 1210 Eutaw Place.

A. B., Johns Hopkins University, 1893, and M. D., 1897; *Clinical Assistant in Medicine, the Johns Hopkins Dispensary.*

GEORGE E. BARNETT, PH. D., *Associate in Political Economy.* 516 Park Av.

A. B., Randolph-Macon College, 1891; Fellow, Johns Hopkins University, 1899-1900, and Ph. D., 1901.

THOMAS R. BROWN, M. D., *Associate in Medicine.* 925 Cathedral St.

A. B., Johns Hopkins University, 1892, and M. D., 1897; *Chief of the Medical Clinic, the Johns Hopkins Dispensary.*

RUFUS I. COLE, M. D., *Associate in Medicine.*

S. B., University of Michigan, 1896; M. D., Johns Hopkins University, 1899; *Resident Physician, the Johns Hopkins Hospital.* The Johns Hopkins Hospital.

ARTHUR S. LOEVENHART, M. D., *Associate in Physiological Chemistry and Pharmacology.* 521 N. Wolfe St.

S. B., Kentucky State College, 1898, and M. S., 1899; M. D., Johns Hopkins University, 1903.

S. EDWIN WHITEMAN, *Instructor in Drawing.* 34 E. Twenty-fifth St.

École des Beaux-Arts, Paris.

ELIZABETH HURDON, M. D., *Assistant in Gynecology.* 1315 N. Charles St.

M. D., Trinity University (Toronto), 1895.

LEWIS E. JEWELL, *Assistant in Astro-Physics.* 1128 McCulloh St.

HENRY MCE. KNOWER, PH. D., *Instructor in Anatomy.*

A. B., Johns Hopkins University, 1890, Fellow, 1894-95, Bruce Fellow, 1895-96, and Ph. D., 1896; Instructor in Williams College, 1896-97; *Co-Editor and Secretary, American Journal of Anatomy.* 112 E. Preston St.

WILLIAM S. BAER, M. D., *Instructor in Orthopedic Surgery.* 714 Park Av.

A. B., Johns Hopkins University, 1894, and M. D., 1898; *Assistant in Orthopedic Surgery, the Johns Hopkins Hospital.*

WILLIAM KURRELMEYER, PH. D., *Instructor in German.*

A. B., Johns Hopkins University, 1896, Fellow, 1897-99, and Ph. D., 1899; Professor of Modern Languages, Franklin and Marshall College, 1899-1900. 1313 Edmondson Av.

HARRY T. MARSHALL, M. D., *Instructor in Medicine.* 5 W. Chase St.

A. B., Johns Hopkins University, 1894, and M. D., 1898, and Fellow, 1899-1900; *Chief of the Medical Clinic, the Johns Hopkins Dispensary.*

H. WARREN BUCKLER, M. D., *Assistant in Obstetrics.* 806 Cathedral St.

A. B., Johns Hopkins University, 1895, M. D., 1899; *Clinical Assistant in Medicine, the Johns Hopkins Dispensary.*

GEORGE WALKER, M. D., *Instructor in Surgery.* 529 N. Charles St.

M. D., University of Maryland, 1899; *Chief of the Surgical Clinic, the Johns Hopkins Dispensary.*

NATHAN E. B. IGLEHART, M. D., *Assistant in Surgery.* 16 W. Preston St.
M. D., University of Maryland, 1889; *Clinical Assistant, the Johns Hopkins Dispensary.*

MACTIER WARFIELD, M. D., *Instructor in Laryngology.* 15 W. Franklin St.
A. B., Johns Hopkins University, 1881; M. D., University of Maryland, 1884; *Chief of the Laryngological and Rhinological Clinic, the Johns Hopkins Dispensary.*

ALFRED R. L. DOHME, PH. D., *Instructor in Pharmacy.* Roland Park.
A. B., Johns Hopkins University, 1886, and Ph. D., 1889.

J. HALL PLEASANTS, M. D., *Assistant in Medicine.* 1110 N. Charles St.
A. B., Johns Hopkins University, 1895, and M. D., 1899; *Chief of the Medical Clinic, the Johns Hopkins Dispensary.*

JAMES HALL MASON KNOX, JR., PH. D., M. D., *Assistant in Pediatrics.*
A. B., Yale University, 1892, and Ph. D., 1894; A. M., Lafayette College, 1896; M. D., Johns Hopkins University, 1898; *Clinical Assistant, the Johns Hopkins Dispensary.*
804 Cathedral St.

RICHARD A. URQUHART, M. D., *Assistant in Pediatrics.* 849 Park Av.
M. D., University of Virginia, 1894; *Clinical Assistant, the Johns Hopkins Dispensary.*

FRANK R. BLAKE, PH. D., *Instructor in Oriental Languages.*
A. B., Johns Hopkins University, 1897, Fellow, 1898–1902, and Ph. D., 1902.
Mt. Washington.

JULIUS HOFMANN, *Assistant in German.* 1029 W. Lanvale St.
University of Giessen.

SYLVAN ROSENHEIM, M. D., *Assistant in Laryngology.* 1630 Madison Av.
A. B., Johns Hopkins University, 1895, and M. D., 1899; *Clinical Assistant in Larymgology, the Johns Hopkins Dispensary.*

RICHARD H. FOLLIS, JR., M. D., *Instructor in Surgery.*
Ph. B., Yale University, 1895; M. D., Johns Hopkins University, 1899; *Resident Surgeon, the Johns Hopkins Hospital.*
The Johns Hopkins Hospital.

EDGAR R. STROBEL, M. D., *Assistant in Dermatology.* 37 E. North Av.
A. B., Johns Hopkins University, 1895, and M. D., 1899; *Clinical Assistant, the Johns Hopkins Dispensary.*

LEROY C. BARRET, PH. D., *Instructor in Latin.* 2017 N. Calvert St.
A. B., Washington and Lee University, 1897, and A. M., 1898; Fellow, Johns Hopkins University, 1901–03, and Ph. D., 1903.

CHARLES H. BUNTING, M. D., *Instructor in Pathology.*
S. B., University of Wisconsin, 1896; M. D., Johns Hopkins University, 1901; Assistant Demonstrator of Pathology, University of Pennsylvania, 1902–03; *Assistant Resident Pathologist, the Johns Hopkins Hospital.*
The Johns Hopkins Hospital.

THEODORE CLINTON FOOTE, PH. D., *Instructor in Biblical Literature.*
A. B., Racine College, 1880, and A. M., 1883; S. T. B., General Theological Seminary (N. Y.), 1884; Ph. D., Johns Hopkins University, 1902, and Rayner Fellow, 1901–03.
1825 W. Fayette St.

CAMPBELL P. HOWARD, M. D., *Assistant in Medicine.*
A. B., McGill University, 1897, and M. D. C. M., 1901; *Assistant Resident Physician, the Johns Hopkins Hospital.*
The Johns Hopkins Hospital.

CHARLES R. MACINNES, PH. D., *Director of the Gymnasium.*
A. M., Queen's University (Ont.), 1896, and Instructor, 1900–02; Ph. D., Johns Hopkins University, 1900; Lecturer on Mathematics, Manitoba College, Winnipeg, 1902–03.
248 W. Hoffman St.

M. LLEWELLYN RANEY, PH. D., *Assistant Librarian.* Pikesville.

A. B., Centre College, 1897; Fellow, Johns Hopkins University, 1901–03, and Ph. D., 1904.

J. MORRIS SLEMONS, M. D., *Instructor in Obstetrics.* 1202 St. Paul St.

A. B., Johns Hopkins University, 1897, and M. D., 1901; *Assistant in Obstetrics, the Johns Hopkins Hospital.*

W. RUSH DUNTON, M. D., *Assistant in Psychiatry.* Towson.

S. B., Haverford College, 1889, and A. M., 1890; M. D., University of Pennsylvania, 1893; Assistant Physician, Sheppard and Enoch Pratt Hospital; *Clinical Assistant in Neurology, the Johns Hopkins Dispensary.*

GEORGE L. STREETER, M. D., *Instructor in Anatomy.* 516 Park Av.

A. B., Union College, 1895; A. M. and M. D., Columbia University, 1899.

WILLIAM W. FORD, M. D., *Instructor in Bacteriology.* 1134 Cathedral St.

A. B., Adelbert College, 1893; M. D., Johns Hopkins University, 1898; Fellow of McGill University, 1899–1901, and of the Rockefeller Institute, 1901–02.

JAMES J. MILLS, M. D., *Instructor in Ophthalmology and Otology.*

M. D., Baltimore Medical College, 1889; *Assistant in Ophthalmology and Otology, the Johns Hopkins Dispensary.* 853 Park Av.

LOUIS V. HAMMAN, M. D., *Assistant in Medicine.* 21 W. Franklin St.

A. B., Rock Hill College, 1896; M. D., Johns Hopkins University, 1901; *Clinical Assistant, the Johns Hopkins Dispensary.*

F. HARRY BAETJER, M. D., *Assistant in Surgery, in charge of Actinography.*

A. B., Johns Hopkins University, 1897, and M. D., 1901; *Assistant in Actinography, the Johns Hopkins Hospital.* The Arundel.

HERBERT M. LITTLE, M. D. C. M., *Assistant in Obstetrics.*

A. B., University of Toronto, 1897; M. D. C. M., McGill University, 1901; *Resident Obstetrician, the Johns Hopkins Hospital.* The Johns Hopkins Hospital

JAMES BARNES, PH. D., *Assistant in Physics.* 516 Park Ave.

A. B., Dalhousie University, 1899; Fellow, Johns Hopkins University, 1903–04, and Ph. D., 1904; engaged in research with Professor Ames, on a grant from the Carnegie Institution of Washington.

ARTHUR B. COBLE, PH. D., *Instructor in Mathematics.* 1206 Bolton St.

A. B., Pennsylvania College, 1897; Fellow, Johns Hopkins University, 1901–02, and Ph. D. 1902; Instructor in Mathematics, University of Missouri, 1902–03.

DE LA WARR B. EASTER, A. M., *Instructor in French.* 1202 McCulloh St.

A. M., Randolph-Macon College, 1891.

JOHN C. FRENCH, A. B., *Instructor in English.* 2509 W. North Av.

A. B., Johns Hopkins University, 1899, and Fellow, 1903-04.

HENRY W. KENNARD, M. D., *Assistant in Orthopedic Surgery.*

M. D., University of Maryland, 1899; *Clinical Assistant, the Johns Hopkins Dispensary.* 1222 Mt. Royal Av.

CHARLES K. SWARTZ, PH. D., *Instructor in Geology and Paleontology.*

A. B., Johns Hopkins University, 1888, Fellow, 1903–04, and Ph. D., 1904. 918 N. Fulton Av.

WILLIAM W. FRANCIS, M. D., *Assistant in Pathology.* 1 W. Franklin St.

A. B., Johns Hopkins University, 1898, and M. D., 1902.

JOHN W. BAIRD, PH. D., *Assistant in Psychology.* 1128 McCulloh St.

A. B., University of Toronto, 1897; Fellow, Cornell University, 1900–02, Ph. D., 1902, and Assistant in Psychology, 1902–04.

ROBERT B. BEAN, M. D., *Assistant in Anatomy.* 2017 N. Calvert St.

S. B., Virginia Polytechnic Institute, 1900; M. D., Johns Hopkins University, 1904.

RHEINART P. COWLES, PH. D., *Assistant in Biology.* 1125 McCulloh St.

A. B., Leland Stanford Jr. University, 1899; Fellow, Johns Hopkins University, 1901–02, Bruce Fellow, 1902–04, and Ph. D., 1904.

AUGUST E. GUENTHER, S. B., *Assistant in Physiology.* 1814 N. Broadway.

S. B., University of Michigan, 1896; Fellow, Johns Hopkins University, 1903–04.

J. BISHOP TINGLE, PH. D., *Assistant in Chemistry.* 2132 N. Calvert St.

Owens College (Manchester, Eng.), 1883-87; Ph. D., University of Munich, 1889; Professor of Chemistry, Illinois College, 1901-04.

EDWARD M. SINGEWALD, M. D., *Assistant in Neurology.*

M. D., University of Maryland, 1888; *Clinical Assistant, the Johns Hopkins Dispensary.*

5 N. Washington St.

THOMAS R. BOGGS, M. D., *Assistant in Medicine.*

S. B., University of Georgia, 1896; M. D., Johns Hopkins University, 1901; *Assistant Resident Physician in charge of the Medical Bacteriological Laboratory, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital.

CLINTON E. BRUSH, JR., M. D., *Assistant in Medicine.* 802 N. Broadway.

S. B., New York University, 1899; M. D., Johns Hopkins University, 1903.

GERRY ROUNDS HOLDEN, M. D., *Assistant in Gynecology.*

A. B., Yale University, 1897; M. D., Johns Hopkins University, 1901; *Resident Gynecologist, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital.

LECTURERS DURING THE YEAR 1904-1905

On the Turnbull Foundation

GEORGE E. WOODBERRY.
Eight lectures on *Poetic Forms of Life.*

Mediæval History

Professor FRIEDRICH KEUTGEN, PH. D., of the University of Jena.
[October to May.]

Austrian Dramatists

GUSTAV POLLAK, of New York.
Two lectures.

Before separate departments of the University

Geology

Professor CLEVELAND ABBE, PH. D., LL. D., of the United States Weather Bureau.
Meteorology.

LOUIS A. BAUER, PH. D., of the United States Coast and Geodetic Survey.
Terrestrial Magnetism.

Professor WILLIAM MORRIS DAVIS, M. E., of Harvard University.
Twelve class lectures on *Physiography*, with laboratory work, and two public lectures.

BAILEY WILLIS, A. B., of the Carnegie Institution.
Two public lectures on *Recent Travels and Explorations in China.*

German

THOMAS S. BAKER, PH. D., of the Jacob Tome Institute.
German Literature.

Greek

ARISTOGEITON M. SOHO, PH. D., of Baltimore.
Modern Greek.

Medicine

ALEXANDER C. ABBOTT, M. D., Professor of Hygiene and Director of the Laboratory of Hygiene, University of Pennsylvania.
Hygiene.

ROBERT FLETCHER, M. D., M. R. C. S. (Eng.), Surgeon, U. S. Army.
Forensic Medicine.

CH. WARDELL STILES, PH. D., Zoologist of the U. S. Bureau of Public Health.
Medical Zoölogy.

Historical and Economic Science

JOHN M. GLENN, A. M., of Baltimore.
Ten lectures on *Public Aid, Charities, and Correction.*

CLAYTON C. HALL, LL. B., A. M., of Baltimore.
Eight lectures on the *History and Theory of Insurance.*

Professor JAMES A. JAMES, PH. D., of Northwestern University.
Ten lectures on *American Diplomatic History.* (Albert Shaw Lectureship.)

JAMES SCHOULER, LL. D., of Boston, author of "History of the United States under the Constitution."
Four lectures on the *Life of the People during the American Revolution.*

Mathematics

FABIAN FRANKLIN, PH. D., of Baltimore.
Theory of Probability.

Philosophy and Psychology

CLARENCE B. FARRAR, M. D., of Baltimore.
Physiological Psychology.

Mrs. CHRISTINE LADD FRANKLIN, of Baltimore.
Visual Sensation; Symbolic Logic.

EDWARD W. SCRIPTURE, PH. D.
Experimental Phonetics.

Romance Languages

Professor FREDERICK M. WARREN, PH. D., of Yale University.
French Literature.

HOLDERS OF THE JOHNSTON SCHOLARSHIPS, 1904-05

SOLOMON FARLEY ACREE, PH. D., *Henry E. Johnston Scholar.*

S. B., University of Texas, 1896, and M. S., 1897; Fellow, University of Chicago, 1898-1901, and Ph. D., 1902; Associate Professor, University of Utah, 1901-04; Student, University of Berlin, 1903-04. *Chemistry.*
252 W. Hoffman St.

HENRY SHOEMAKER CONARD, PH. D., *James Buchanan Johnston Scholar.*

S. B., Haverford College, 1894, Fellow, 1894-95, and A. M., 1895; Fellow, University of Pennsylvania, 1899-03, Ph. D., 1901, Instructor and Lecturer on Botany, 1903-05. *Botany.*
1111 Linden Av.

ISAAC WOODBRIDGE RILEY, PH. D., *Henry E. Johnston Jr. Scholar.*

A. B., Yale University, 1892, A. M., 1898, and Ph. D., 1902; Instructor in English, New York University, 1897-98; Acting Professor of Philosophy, University of New Brunswick, 1902-04; Co-operating Editor, *Psychological Bulletin. Philosophy.*
709 St. Paul St.

Internes and Externes of the Johns Hopkins Hospital and Dispensary, 1904–05

The following graduates of the medical department are Resident House Officers in the Johns Hopkins Hospital:

John McFarland Bergland, M. D.
S. B., Princeton University, 1900; M. D., Johns Hopkins University, 1904.

Maurice Buford Bonta, M. D.
A. B., Kentucky Wesleyan College, 1894; S. B., University of Michigan, 1897; M. D., Johns Hopkins University, 1904.

Walter Vernon Brem, Jr., M. D.
S. B., University of North Carolina, 1896; M. D., Johns Hopkins University, 1904.

Julius Alexander Caldwell, Jr., M. D.
S. B., University of North Carolina, 1899; M. D., Johns Hopkins University, 1904.

John Robert Carr, M. D.
A. B., University of North Carolina, 1899; M. D., Johns Hopkins University, 1904.

DeWitt Bellinger Casler, M. D.
A. B., Yale University, 1900; M. D., Johns Hopkins University, 1904.

Herbert Ziegler Giffin, M. D.
S. B., Princeton University, 1900; M. D., Johns Hopkins University, 1904.

Josephine Hemenway, M. D.
A. B., Pritchett College, 1898; M. D., Johns Hopkins University, 1904.

Herman Weston Marshall, M. D.
S. B., Massachusetts Institute of Technology, 1897; M. D., Johns Hopkins University, 1904.

Jewett Villeroy Reed, M. D.
S. B., Kentucky State College, 1900; M. D., Johns Hopkins University, 1904.

Charles Mallory Remsen, M. D.
A. B., Johns Hopkins University, 1899, and M. D., 1904.

Henry John Storrs, M. D.
A. B., Amherst College, 1899; M. D., Johns Hopkins University, 1904.

The following is serving as an Externe of the Hospital and Dispensary:

George Lane Taneyhill, Jr., M. D.
A. B., Johns Hopkins University, 1900, and M. D., 1904.

Additional Assistants for the Current Year

The following students have rendered service to the university in the departments named. In the enumeration they are not counted as members of the academic staff.

J. A. Addison, A. B.—*Y. M. C. A.*
J. A. Anderson, S. B.—*Physics.*
F. C. Blanck, A. B.—*Chemistry.*
W. H. Brown, S. B.—*Histology.*
R. F. Brunel, A. B.—*Chemistry.*
P. H. Cobb, A. B.—*Chemistry.*
P. W. Clough, S. B.—*Pathology.*
R. L. Cunningham, A. B.—*Histology.*
A. Ember, Ph. D.—*Semitic Languages.*
W. Kirk, A. B.—*Economics.*
R. E. Loving, A. M.—*Physics.*
A. H. Licklider, A. M.—*English.*
C. Longest, A. B.—*English.*
C. A. Myers, A. B.—*English.*
D. W. Ohern, A. M.—*Geology.*
S. G. Oliphant, A. M.—*Sanskrit.*
A. H. Pfund, S. B.—*Physics.*
W. F. Prouty, M. S.—*Geology.*
R. B. Scofield, S. B.—*Histology.*
J. T. Smith, Jr., A. B.—*Histology.*
W. W. Waite, S. B.—*Bacteriology.*
R. D. Williams, A. M.—*Philos. Library.*

GRADUATE STUDENTS

FELLOWS BY COURTESY

HARRY PRESTON BASSETT. Cynthiana, Ky. 416 *Mosher St.*

S. B., Kentucky State College, 1901, and M. S., 1902; Ph. D., Johns Hopkins University, 1904; engaged in research with Professor H. C. Jones, on a grant from the Carnegie Institution of Washington. *Chemistry.*

HOWARD VERNON CANTER. Canterburg, Va. 1122 *Bolton St.*

A. B., Washington and Lee University, 1896; Fellow, Johns Hopkins University, 1900 (*resigned*), and Ph. D., 1904. *Latin.*

HENRY AUGUSTUS CONVERSE. Harrisonburg, Va. 1112 *McCulloh St.*

A. B., Hampden-Sidney College, 1893; Ph. D., Johns Hopkins University, 1903, and Instructor, 1903–04. *Mathematics and Philosophy.*

HOWARD WATERS DOUGHTY. Baltimore. 1024 *St. Paul St.*

Proficient in Electricity, Johns Hopkins University, 1893, Fellow, 1903–04, and Ph. D., 1904; engaged in research with Professor W. A. Noyes, of the Bureau of Standards, on a grant from the Carnegie Institution of Washington. *Chemistry.*

JOSEPH CHRISTIE WHITNEY FRAZER. Baltimore. 1217 *Madison Av.*

S. B., Kentucky State College, 1897, and M. S., 1898; Fellow, Johns Hopkins University, 1900–01, Ph. D., 1901, and Assistant in Chemistry, 1901–03; engaged in research with Professor Morse, on a grant from the Carnegie Institution of Washington. *Chemistry.*

WILLIAM ELFORD GOULD. Baltimore. 1031 *N. Eutaw St.*

A. B., Columbia University, 1879; Ph. D., Johns Hopkins University, 1903. *Romance Languages.*

NATHANIEL EDWARD GRIFFIN. Baltimore. 1027 *N. Calvert St.*

A. B., Johns Hopkins University, 1894, and Ph. D., 1899; Instructor in the University of Vermont, 1903–04. *English.*

LEE MILTON HOLLANDER. Baltimore. 1203 *Madison Av.*

A. B., Johns Hopkins University, 1901, and Fellow, 1903–04. *German, English, and Sanskrit.*

EDWARD PECHIN HYDE. Baltimore. 1100 *E. North Av.*

A. B., Johns Hopkins University, 1900, and Fellow, 1901–02; Assistant, Bureau of Standards, Washington. *Physics, Mathematics, and Physical Chemistry.*

WILLIAM KIRK. Baltimore. 1422 *Argyle Av.*

A. B., Johns Hopkins University, 1902, and Fellow, 1903–04. *Political Economy, Political Science, and History.*

WINFRED GEORGE LEUTNER. Cleveland, O. 417 *E. Twenty-second St.*

A. B., Adelbert College, 1901, and Instructor, 1903–04; Fellow, Johns Hopkins University, 1903 (*resigned*). *Greek, Latin, and Sanskrit.*

WIGHTMAN FLETCHER MELTON. Tuscaloosa, Ala. 710 *Madison Av.*

L. I., University of Nashville, 1889; A. M., Blount College (Ala.), 1892; late President of Tuscaloosa Female College. *English, Philosophy, and German.*

GEORGE RAGLAND. Waco, Texas. 1028 *N. Eutaw St.*
A. B., Richmond College, 1896; Fellow, Johns Hopkins University, 1901 (*resigned*); Professor of Greek, Baylor University. *Greek, Latin, and Sanskrit.*

ROBERT BRUCE ROULSTON. Baltimore. 628 *N. Arlington Av.*
A. B., Johns Hopkins University, 1900, and Fellow, 1902-03. *German, Sanskrit, and Latin.*

THOMAS HARDY TALIAFERRO. Baltimore. 1003 *McCulloh St.*
C. E., Virginia Military Institute, 1890; Fellow, Johns Hopkins University, 1895-96, and Ph. D., 1896; President, University of Florida, 1901-04. *Mathematics.*

JAMES MARTIN WRIGHT. Norborne, Mo. 1122 *Linden Av.*
A. B., William Jewell College, 1901; Fellow, Johns Hopkins University, 1903-04, and Ph. D., 1905. *History, Political Economy, and Political Science.*

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ADAM T. BRUCE FELLOWS IN BIOLOGY

OTTO CHARLES GLASER. Baltimore. 2135 *Bolton St.*
A. B., Johns Hopkins University, 1900, and Ph. D., 1904. *Zoology.*

DAVID HILT TENNENT. Janesville, Wis. *Bryn Mawr, Pa.*
S. B., Olivet College, 1900; Fellow, Johns Hopkins University, 1902-04, and Ph. D., 1904. [*Resigned, to become a Lecturer in Bryn Mawr College.*]

WILLIAM S. RAYNER FELLOW IN SEMITIC LANGUAGES

AARON EMBER. Baltimore. 12 *S. Eden St.*
A. B., Johns Hopkins University, 1901, Fellow, 1903-04, and Ph. D., 1904. *Semitic Languages.*

FELLOWS

VICTOR HUGO BASSETT. Aledo, Ill. 26 *S. Broadway.*
A. B., Knox College, 1896; M. D., Johns Hopkins University, 1903. *Pathology.*

HAMILTON BRADSHAW. De Kalb, Ill. 1206 *Bolton St.*
A. B., Beloit College, 1902. *Chemistry, Physical Chemistry, and Physics.*

OLIVER PERRY CHITWOOD. Rocky Mount, Va. 1128 *McCulloh St.*
A. B., William and Mary College, 1899. *History, Political Economy, and Political Science.*

ROBERT TREAT CRANE. Baltimore County. *Pikesville.*
A. B., Johns Hopkins University, 1902. *Political Science, Economics, and Philosophy.*

AUGUST ERNEST GUENTHER. Sandusky, O. 1814 *N. Broadway.*
S. B., University of Michigan, 1898. *Physiology, Anatomy, and Physics.* (*Resigned, to become Assistant in Physiology.*)

CHARLES EUGLEY MATHEWS. S. Framingham, Mass. 516 *Park Av.*
A. B., Amherst College, 1901. *French, Italian, and Spanish.*

ASHTON WAUGH MCWHORTER. Salem, Va. 1214 *McCulloh St.*
A. B., Roanoke College, 1895, and A. M., 1902. *Greek, Latin, and Sanskrit.*

WILLIAM JOHN MILLER. Manton, Cal. 842 *Harlem Av.*
S. B., University of the Pacific, 1900, and M. S., 1902. *Geology, Mineralogy, and Physical Chemistry.*

JAMES MARVIN MOTLEY. Bowling Green, Mo. 1122 *Linden Av.*
A. B., William Jewell College, 1901, and A. M., 1904. *Political Economy, History, and Political Science.*

SAMUEL GRANT OLIPHANT. Baltimore. 1613 *John St.*
A. B., Princeton University, 1891, and A. M., 1894. *Sanskrit, Greek, and Latin.*

HENRY BAYARD PHILLIPS. Lexington, N. C. 1125 *McCulloh St.*
S. B., Erskine College, 1900. *Mathematics, Physics, and Philosophy.*

JAMES TEMPLE PORTER. Front Royal, Va. 261 *W. Hoffman St.*
A. B., Randolph-Macon College, 1895, and A. M., 1898. *Physics, Mathematics, and Electricity.*

ROBERT LEE RAMSAY. Fredericksburg, Va. 1400 *Linden Av.*
A. B., Fredericksburg College, 1899. *English, Greek, and French.*

ROBERT RETZER. Old Orchard, Mo.
M. D., University of Leipzig, 1904. *Physiology.*

ANDREW DANTE SCHRAG. Moundridge, Kan. 1203 *McCulloh St.*
A. B., Haverford College, 1902. *German, History, and Philosophy.*

FORREST SHREVE. Easton. 249 *W. Hoffman St.*
A. B., Johns Hopkins University, 1901. *Botany, Zoology, and Physical Chemistry.*

LEVI SHOEMAKER TAYLOR. Philomont, Va. 249 *W. Hoffman St.*
S. B., Swarthmore College, 1898. *Chemistry, Physical Chemistry, and Mathematics.*

HORACE SCUDDER UHLER. Baltimore. 262 *W. Hoffman St.*
A. B., Johns Hopkins University, 1894. *Physics, Physical Chemistry, and Mathematics.*

ROBERT DANIEL WILLIAMS. Racine, Wis. 1215 *Myrtle Av.*
A. B., Princeton University, 1903, Fellow, 1903–04, and A. M., 1904. *Philosophy.*

BOYD ASHBY WISE. Canterburg, Va. 261 *W. Hoffman St.*
A. B., Randolph-Macon College, 1897, and A. M., 1898. *Latin, English, and German.*

LOUIS BERNARD WOLFENSON. Baltimore. 513 *Laurens St.*
A. B., University of Wisconsin, 1901, and A. M., 1902. *Semitic Philology, Sanskrit, and Egyptology.*

Other Graduate Students in Philosophy

JOHN ARMSTRONG ADDISON. Baltimore. 315 *Warren Av.*
A. B., Johns Hopkins University, 1903. *History and Philosophy.*

SAMUEL JAMES ALLAN. Halifax, N. S. 1125 *McCulloh St.*
Sc. B., McGill University, 1900, and M. Sc., 1901. *Physics.*

JAMES EDWARD ALLEN. Hebron, Va. 307 *Dolphin St.*
A. B., Hampden-Sidney College, 1898. *Latin, French, and German.*

BENJAMIN AUDLEY ALLISON. Mercer, Pa. 1202 *McCulloh St.*
S. B., Westminster College (Pa.), 1902. *Chemistry and Physics.*

JOHN AUGUST ANDERSON. Tansem, Minn. 916 *McCulloh St.*
S. B., Valparaiso College (Ind.), 1900. *Physics and Mathematics.*

CLYDE SHEPHERD ATCHISON. Baltimore. 1929 *W. North Av.*
A. B., Westminster College (Pa.), 1903. *Mathematics, Physics, and Psychology.*

GÖSTA ADOLFSSON BAGGE. Stockholm, Sweden. 611 *Park Av.*
University of Upsala. *Political Economy, History, and Political Science.*

JAMES CORNELIUS BARBOUR. Louisville, Ky. 423 *St. Paul St.*
S. B., Central University, 1896. *Chemistry.*

HAROLD HERMAN BENDER. Martinsburg, W. Va. 2212 *Maryland Av.*
A. B., Lafayette College, 1903. *Sanskrit and Comparative Philology.*

EUGENE COOK BINGHAM. Middlebury, Vt. 1410 *Linden Av.*
A. B., Middlebury College, 1899. *Chemistry, Physical Chemistry, and Mathematics.*

EDWARD CLINTON BIXLER. Westminster. 2135 *Walbrook Av.*
A. B., Western Maryland College, 1901. *Greek and Latin.*

FREDERICK CONRAD BLANCK. Baltimore. 520 *N. Fulton Av.*
A. B., Johns Hopkins University, 1903. *Chemistry.*

JOHN FRANCIS BLEDSOE. Baltimore. 647 *W. Saratoga St.*
A. B., Howard College (Ala.), 1892; A. M., Gallaudet College, 1893. *History and Politics.*

SOLOMON BLUM. Baltimore. 1608 *Park Av.*
A. B., Johns Hopkins University, 1903. *Political Economy.*

BEVERLY WAUGH BOND, JR. Baltimore. 1139 *Bolton St.*
A. B., Randolph-Macon College, 1900, and A. M., 1901. *History, English, and French.*

ROGER FREDERIC BRUNEL. Portland, Me. 1410 *Linden Av.*
A. B., Colby College, 1903. *Chemistry, Physical Chemistry, and Physics.*

WILLIAM HEPBURN BUCKLER. Baltimore. *"Evergreen," W. North Av.*
A. B., University of Cambridge, 1890, and LL. B., 1891. *Political Economy.*

SAMUEL WALTHALL BUDD. Petersburg, Va. 906 *McCulloh St.*
A. B., Hampden-Sidney College, 1904. *Biology, Chemistry, and Physics.*

ROBERT GRANVILLE CAMPBELL. Lexington, Va. 1120 *McCulloh St.*
A. B., Washington and Lee University, 1898, and A. M., 1899. *History, Economics, and Politics.*

JAMES WILLIAM CARROLL. Wheeling, W. Va. 511 *N. Paca St.*
A. B., St. Mary's Seminary (Balt.), 1897. *Latin and Greek.*

TAYLOR SCOTT CARTER. Mt. Jackson, Va. 1005 *McCulloh St.*
S. B., Virginia Military Institute, 1901. *Physics, Physical Chemistry, and Mathematics.*

LEWIS ROBINSON CARY. Bowdoinham, Me. 1020 *McCulloh St.*
S. B., University of Maine, 1901, and M. S., 1902. *Zoology, Physiology, and Botany.*

JOHN ALLAN CHILD. Lakewood, N. J. 516 *Park Av.*
A. B., Harvard University, 1900. *Italian, French, and Spanish.*

PHILIP HOWARD COBB. Portland, Me. 1317 *Park Av.*
A. B., Bowdoin College, 1902. *Chemistry, Physical Chemistry, and Mineralogy.*

ROBERT ERVIN COKER. Darlington, S. C. 1020 *McCulloh St.*
S. B., University of North Carolina, 1896, and M. S., 1897. *Zoology, Physiology, and Botany.*

FRANK LAWRENCE COOPER. Owosso, Mich. 2433 *Madison Av.*
S. B., University of Michigan, 1900, and A. M., 1904. *Physics, Chemistry, and Mathematics.*

ROBERT FRANKLIN COOPER. Centreville, Ala. 2109 *St. Paul St.*
A. B., Washington and Lee University, 1902, and A. M., 1904. *Greek, Latin, and Sanskrit.*

LLOYD GRIFFITH CORKRAN. Baltimore. 1411 *Eutaw Pl.*
A. B., Princeton University, 1904. *History.*

CHARLES ARTHUR CORNELSON. Orangeburg, S. C. 1209 *Myrtle Av.*
A. B., Davidson College, 1904. *Chemistry and Biology.*

REV. JONES IRWIN JOSEPH CORRIGAN, S. J. Baltimore. *Loyola College.*
Woodstock College, 1904. *Mathematics and Physics.*

REV. WILLIAM WILBERFORCE COSTIN. Baltimore County. *Ruxton.*
A. B., Mt. Allison College (N. B.), 1895; A. M., Columbian University, 1901. *Philosophy.*

EDWIN PRESTON DARGAN. Barboursville, Va. 516 *Park Av.*
A. B., Bethel College (Ky.), 1899. *Romance Languages.*

ROGER BUCKEY DEVILBISS. Walkersville. 524 *N. Arlington Av.*
A. B., Western Maryland College, 1901; A. M., Princeton University, 1902. *Greek, Latin, and Sanskrit.*

ARTHUR DODGE. Manassas, Va. 1120 *McCulloh St.*
A. B., William and Mary College, 1900, and A. M., 1901. *Greek, Latin, and Sanskrit.*

REV. GEORGE DRENFORD. Baltimore. *Highland Park.*
University of Breslau, 1879; M. D., College of Physicians and Surgeons (Balt.), 1888. *Sanskrit and Semitic Languages.*

PAUL BROWN DUNBAR. Baltimore. 1900 *St. Paul St.*
S. B., Pennsylvania College, 1904. *Chemistry, Physics, and Mineralogy.*

HOMER PRICE EARLE. South Pasadena, Cal. 231 *Dolphin St.*
A. B., Leland Stanford Jr. University, 1904. *Romance Languages.*

CHARLES GRIFFIN EDWARDS. Baltimore. 16 *W. Twenty-first St.*
S. B., St. John's College, 1889; Proficient in Electricity, Johns Hopkins University, 1891. *Physics, Electricity, and Mathematics.*

JOHN BOWEN EDWARDS. Westminster. 1112 *Bolton St.*
A. B., Western Maryland College, 1903. *Greek, Latin, and Sanskrit.*

GEORGE WICKER ELDERKIN. Hanover, N. H. 716 *Park Av.*
A. B., Dartmouth College, 1902. *Greek, Latin, and Sanskrit.*

THOMAS SIDNEY ELSTON. Berkeley, Cal. 1124 *McCulloh St.*
S. B., University of California, 1899. *Physics, Mathematics, and Physical Chemistry.*

HOWARD EDWIN ENDERS. Annville, Pa. 2441 *Druid Hill Av.*
S. B., Lebanon Valley College, 1897, M. S., 1900, and Professor of Biology; S. B., University of Michigan, 1898. *Zoology, Botany, and Physiology.*

REV. JOHN SUMMERFIELD ENGLE. Baltimore. 2443 *McCulloh St.*
A. B. and A. M., Roanoke College, 1902. *Philosophy and History.*

REV. GEORGE EVANS. Gainesville, Texas. *Curtis Bay.*
A. B., Lawrence University, (Wis.), 1893. *Latin and Greek.*

HORACE EDGAR FLACK. Cuba, N. C. 1203 *McCulloh St.*
A. B. and A. M., Wake Forest College, 1901. *Political Science, History, and Political Economy.*

EDWARD JOSEPH FORTIER. New Orleans, La. 935 *N. Calvert St.*
A. B., Tulane University, 1904. *Romance Languages.*

THOMAS HOWARD FOWLER. Chestertown. 2301 *Eutaw Pl.*
A. B., Washington College, 1897, and A. M., 1898. *German, Sanskrit, and English.*

DOUGLAS SOUTHALL FREEMAN. Richmond, Va. 318 *N. Broadway.*
A. B., Richmond College, 1904. *History and Political Science.*

WILLIAM DAVIS FURRY. Hagerstown. 1215 *Myrtle Ave.*
A. B., University of Notre Dame, 1900, and A. M., 1904. *Philosophy, Psychology, and Biology.*

JOEL RUSSELL GAAR. Dodson, La. 304 *Bank St., Highlandtown.*
A. B., Westminster College (Texas), 1901; B. D., Westminster Theological Seminary (Md.), 1904. *Hebrew, Assyrian, and History of the Ancient East.*

THEODORE WESLEY GLOCKER. Baltimore. 1019 *McCulloh St.*
A. B., Johns Hopkins University, 1903. *Political Economy.*

ERNEST ELISHA GORSLINE. Rochester, N. Y. 2109 *St. Paul St.*
S. B., University of Rochester, 1901. *Chemistry and Physical Chemistry.*

JOHN SHARSHALL GRASTY. Staunton, Va. 1004 *McCulloh St.*
A. B., Johns Hopkins University, 1902. *Geology and Chemistry.*

CHARLES WALTER GRAY. Chrisman, Ill. 405 *Robert St.*
S. B., Illinois Wesleyan University, 1903. *Chemistry.*

CHARLES CLAYTON GROVE. Hanover, Pa. 261 *W. Hoffman St.*
A. B., Pennsylvania College, 1900, and A. M., 1903. *Mathematics, Physics, and Italian.*

EUGENE WILLIS GUDGER. Waynesville, N. C. 1125 *McCulloh St.*
S. B., University of Nashville, 1892, and M. S., 1893. *Zoology, Botany, and Geology.*

DAVID VANCE GUTHRIE. Waynesboro, Va. 2109 *St. Paul St.*
A. B., Washington and Lee University, 1903, and A. M., 1904. *Physics, Physical Chemistry, and Mathematics.*

REV. EDWARD HAYES. Baltimore. 907 *W. Franklin St.*
Western University of Pennsylvania. *Semitic Languages.*

FREDERICK SQUIRE HEMRY. Clay Centre, Neb. 2207 *Oak St.*
A. B., Cotner University (Neb.), 1894; A. M., University of Nebraska, 1897. *German, Greek, and English.*

FREDERICK W. HILBERT. Baltimore. 1032 *N. Eutaw St.*
A. B., Randolph-Macon College, 1896, and A. M., 1897. *Political Economy, History, and Political Science.*

LOUIS FOLTAT HILDEBRANDT. Baltimore. 1217 *Mosher St.*
A. B., Johns Hopkins University, 1902. *Spanish, French, and History.*

JOHN COFFEY HILDT. Baltimore. 1720 *Bolton St.*
A. B., Johns Hopkins University, 1903. *History, Political Science, and French.*

ERNEST JENKINS HOFFMAN. Dallas, N. C. 1204 *Bolton St.*
A. B., Davidson College, 1900. *Chemistry, Physical Chemistry, and Physics.*

WILLIAM EDWIN HOFFMAN, JR. Baltimore. 215 *N. Carey St.*
A. B., Johns Hopkins University, 1902. *Chemistry, Physical Chemistry, and Mineralogy.*

HARRY NICHOLS HOLMES. Volant, Pa. 1222 *Madison Ave.*
S. B., Westminster College (Pa.), 1899. *Chemistry, Physical Chemistry, and Physics.*

EDWARD WILLIAM HOPE. Shaftesbury, England. 709 *St. Paul St.*
A. B., University of Pennsylvania, 1898; A. M., Leland Stanford Jr. University, 1902. *Greek, Latin, and Italian.*

B. SMITH HOPKINS. Owosso, Mich. 2433 *Madison Av.*
A. B., Albion College, 1896, and A. M., 1897. *Chemistry, Physical Chemistry, and Physics.*

HERBERT PIERREPONT HOUGHTON. Stamford, Conn. 315 *W. Hoffman St.*
A. B., Amherst College, 1901, and A. M., 1904. *Greek, Latin, and Sanskrit.*

LLEWELLYN GRIFFITH HOXTON. Washington, D. C. *Washington.*
A. B., S. B., and A. M., University of Virginia, 1900. *Physics, Mathematics, and Geological Physics.*

WILLIAM DANA HOYT. Baltimore. 609 *Lennox St.*
A. B., University of Georgia, 1901, and M. S., 1904. *Botany, Zoology, and Physiology.*

JAMES W. JOBLING. Jefferson City, Tenn. 1042 *N. Eden St.*
M. D., Tennessee Medical College, 1896. *Chemistry.*

JAMES MCINTOSH JOHNSON. Newberry, S. C. 261 *W. Hoffman St.*
S. B., Newberry College, 1902, and A. M., 1903. *Chemistry, Physical Chemistry, and Mathematics.*

ANDREW DICKSON JONES, JR. Baltimore. 920 *N. Charles St.*
A. B. Johns Hopkins University, 1904. *Romance Languages.*

JAMES BOYD KENNEDY. Yorkville, S. C. 1128 *McCulloh St.*
A. B., Erskine College, 1892. *Political Economy, History, and Political Science.*

WILLIAM LEE KENNON. Jackson, Miss. 1005 *McCulloh St.*
S. B., Millsaps College, 1900, and M. S., 1901. *Chemistry and Physics.*

HENRY ROGERS KREIDER. Wolfe's Store, Pa. 1908 *McCulloh St.*
A. B. and A. M., Franklin and Marshall College, 1898. *Chemistry.*

HENRY CARRINGTON LANCASTER. Richmond, Va. 908 *McCulloh St.*
A. B. and A. M., University of Virginia, 1903. *Romance Languages.*

AUBREY EDWARD LANDRY. South Boston, Mass. 1049 *Aisquith St.*
A. B., Harvard University, 1900; Fellow, Catholic University of America. *Mathematics.*

IVEY FOREMAN LEWIS. Raleigh, N. C. 906 *McCulloh St.*
A. B., University of North Carolina, 1902, and M. S., 1903. *Botany, Zoology, and Physiology.*

ALBERT HARP LICKLIDER. Norfolk, Va. 2430 *Maryland Av.*
A. M., Randolph-Macon College, 1897. *English, French, and German.*

HERBERT CANNON LIPSCOMB. Petersburg, Va. 1124 *McCulloh St.*
A. B., Randolph-Macon College, 1901, and A. M., 1902. *Latin, French, and Italian.*

CHRISTOPHER LONGEST. Pontotoc, Miss. 710 *Madison Av.*
A. B., University of Mississippi, 1900. *English and Latin.*

BENJAMIN FRANKLIN LOVELACE. Tuscaloosa, Ala. 712 *Madison Av.*
S. B., University of Alabama, 1904. *Chemistry, Physical Chemistry, and Physics.*

ROBERT EDWARD LOVING. Wilmington, Va. 1014 *N. Eutaw St.*
A. B., Richmond College, 1896, and A. M., 1898. *Physics, Mathematics, and Astronomy.*

LEONARD LEOPOLD MACKALL. Baltimore. 212 *W. Monument St.*
A. B., Johns Hopkins University, 1900. *German, English, and French.*

HENRY MARTIN. Brandywine, Va. 315 *W. Hoffman St.*
A. B., Richmond College, 1899, and A. M., 1901. *Latin, French, and Spanish.*

OMER JOSEPH MCINTYRE. St. John, N. B. 1521 *McCulloh St.*
A. B., St. Francis Xavier's College (Nova Scotia), 1904. *Biology, Chemistry, and Physics.*

LEROY MCMASTER. Walkersville. 1322 *Myrtle Av.*
Ph. B., Dickinson College, 1901, and A. M., 1902. *Chemistry, Physical Chemistry, and Physics.*

REV. WILLIAM BRUCE MCPHERSON. Baltimore. 1105 *N. Gilmor St.*
A. B., Hobart College, 1892, and A. M., 1895. *Hebrew, Assyrian, and Egyptian.*

JOHN FREDERICK MESSICK. Allen. 410 *W. Hoffman St.*
A. B., Randolph-Macon College, 1899. *Mathematics, Physics, and Astronomy.*

JAMES RAIDER MOOD. Summerville, S. C. 1122 *Madison Av.*
A. B., College of Charleston, 1900. *Latin, Sanskrit, and Greek.*

KOKICHI MORIMOTO. Tokyo, Japan. *Calhoun & Baker Sts.*
Imperial College of Sapporo, 1901. *History, Political Economy, and Political Science.*

CHARLES AUGUSTUS MYERS. Baltimore. 1421 *W. Franklin St.*
A. B., Johns Hopkins University, 1902. *English.*

CLARK NOBLE. Otterville, Ill. 1002 *McCulloh St.*
A. B., Illinois Wesleyan University, 1904. *Latin, Greek, and English.*

MARBURY BLADEN OGLE. Baltimore. 1804 *W. Fayette St.*
A. B., Johns Hopkins University, 1902. *Latin.*

DANIEL WEBSTER OHERN. Maquon, Ill. 103 *E. Twenty-second St.*
A. B., Drake University, 1898; A. M., West Virginia University, 1899. *Geology, Mineralogy, and Chemistry.*

JAMES HERBERT OWENS. Sunny Brook. 307 *Dolphin St.*
A. B., Randolph-Macon College, 1904. *Psychology and Physiology.*

EDGAR ARDIS PETERSON. Eufaula, Ala. 913 *McCulloh St.*
A. B., Southern University, 1899; M. D., Vanderbilt University, 1902. *Pathology, Bacteriology, and Chemistry.*

AUGUST HERMAN PFUND. Madison, Wis. 1002 *McCulloh St.*
S. B., University of Wisconsin, 1901. *Physics and Mathematics.*

REV. EDWARD CHARLES F. PHILLIPS, S. J. Baltimore. *Loyola College.*
A. B., St. Francis Xavier's College (N. Y.), 1898; Woodstock College, 1904. *Mathematics and Physics.*

ORE JACOB HJORT PREUS. Decorah, Iowa. 2427 *N. Calvert St.*
A. B., Luther College, 1901; Luther Seminary (Minn.), 1904. *Greek, Hebrew, and Philosophy.*

WILLIAM FREDERICK PROUTY. Syracuse, N. Y. 1404 *McCulloh St.*
S. B., Syracuse University, 1903, and M. S., 1904. *Geology, Mineralogy, and Physical Chemistry.*

WILLIAM GWYNN QUEEN. Bryantown. 208 *W. Franklin St.*
A. B., Rock Hill College, 1904. *Biology, Chemistry, and Physics.*

MARATHON MONTROSE RAMSEY. Washington, D. C. 1122 *McCulloh St.*
S. B., Columbian University, 1894, and A. M., 1895; Assistant Professor of Spanish, Leland Stanford Jr. University, 1901-03. *Spanish, French, and History.*

CHARLES FREDERICK RANFT. Baltimore. 717 *W. Baltimore St.*
A. B., Johns Hopkins University, 1902. *History, Political Economy, and Political Science.*

WALTER FORD REYNOLDS. Baltimore. 439 *Roland Av.*
A. B., Johns Hopkins University, 1902. *Mathematics, and Physics.*

SAMUEL RITTENHOUSE. Royersford, Pa. 1216 *Madison Av.*
A. B., Ursinus College, 1901. *Zoology, Physiology, and Botany.*

CHARLES JUDSON ROBINSON. Bloomington, Ill. 306 *W. Lanvale St.*
S. B., Illinois Wesleyan University, 1903. *Chemistry.*

FRANCIS MITCHELL ROGERS. Winston-Salem, N. C. 1404 *McCulloh St.*
A. B. and A. M., Davidson College, 1903. *Chemistry, Physical Chemistry, and Physics.*

FRANK BROWN ROSEBRO. Fredericksburg, Va. 906 *McCulloh St.*
A. B., Fredericksburg College, 1903. *Political Economy and History.*

WILLIAM HORACE ROSS. River John, N. S. 416 *W. Hoffman St.*
S. B., Dalhousie University, 1903. *Chemistry.*

CHARLES AUGUST ROUILLER. Paraje, N. Mex. 1517 *John St.*
A. B., Leland Stanford Jr. University, 1903. *Chemistry.*

JAMES EDWARD ROUTH, JR. Petersburg, Va. 516 *Park Av.*
A. B., Johns Hopkins University, 1900. *English, French, and History of Philosophy.*

AARON MORTON SAKOLSKI. Syracuse, N. Y. 1824 *McCulloh St.*
Ph. B., Syracuse University, 1902. *Political Economy, Political Science, and History.*

GEORGE BISMARCK SANDERLIN. Belcross, N. C. 1203 *McCulloh St.*
A. B., Wake Forest College, 1899, and A. M., 1900. *English, German, and History.*

CHARLES HENRY SAYLOR. Baltimore. 2418 *N. Charles St.*
A. B., Johns Hopkins University, 1904. *Greek, Latin, and Sanskrit.*

ASA ARTHUR SCHAEFFER. Kunkeltown, Pa. 906 *McCulloh St.*
A. B., Franklin and Marshall College, 1904. *Zoology and Botany.*

NICOLAY SCHREUDER. Grimstad, Norway. 1025 *N. Broadway.*
University of Christiania. *Chemistry, Biology, and Physics.*

REV. JOHN SCHULER. Baltimore. 567 *Mosher St.*
A. B., German Wallace College (O.), 1891. *German, Philosophy, and History.*

WILLIAM GEORGE SEIPLE. Allentown, Pa. 807 *N. Calvert St.*
A. B., Franklin and Marshall College, 1898, and A. M., 1901; Lancaster Theological Seminary, 1901; Rayner Fellow, 1903-04. *Hebrew, Assyrian, and Greek.*

GUY HOWARD SHADINGER. Snohomish, Wash. 1122 *Bolton St.*
Ph. B., Hamline University, 1900. *Chemistry.*

BORIS NICHOLAIEVICH SIMIN. Moscow, Russia. 1414 *Madison Av.*
M. S., Moscow Imperial Technical School, 1902. *Physics.*

EDGAR A. SLAGLE. Westminster. 261 *W. Hoffman St.*
Ph. B., Franklin and Marshall College, 1904. *Chemistry, Physical Chemistry, and Physics.*

GUY EVERETT SNAVELY. Baltimore. 1039 *N. Eutaw St.*
A. B., Johns Hopkins University, 1901. *Romance Languages.*

HARRY PEYTON STEGER. Bonham, Texas. 1206 *McCulloh St.*
A. B., University of Texas, 1902, and A. M., 1904. *Sanskrit, Greek, and Latin.*

ROSWELL POWELL STEPHENS. Barnesville, Ga. 927 *McCulloh St.*
A. B., University of Georgia, 1896. *Mathematics, Physics, and Electricity.*

LLOYD WILLIAM STEPHENSON. Scio, O. 842 *Harlem Av.*
Ph. B., Scio College, 1903. *Geology and Chemistry.*

WILLIAM AVERILL STOWELL. Baltimore. *The Mt. Royal.*
A. B., Princeton University, 1904. *Romance Languages.*

HENRY PHILIP STRAUS. Baltimore. 2350 *Eutaw Place.*
A. B., Johns Hopkins University, 1902. *Chemistry, Physical Chemistry, and Mineralogy.*

WILLIAM ANDERSON SYME. Raleigh, N. C. 930 *Madison Av.*
S. B., N. C. Agricultural and Mechanical College, 1899, and M. S., 1903. *Chemistry, Physical Chemistry, and Biology.*

CHARLES EDWARD TROTTER. Franklin, N. C. 930 *Madison Av.*
S. B., N. C. Agricultural and Mechanical College, 1903. *Biology, French, and German.*

JOHN RICHARD TUCKER. Lowesville, Va. 410 *W. Hoffman St.*
A. M., Randolph-Macon College, 1900. *History, Political Science, and French.*

MAYVILLE WILLIAM TWITCHELL. New York City. 1404 *McCulloh St.*
S. B., Columbian University, 1899, and M. S., 1900. *Geology, Mineralogy, and Biology.*

VAN ALSTYNE VAN DUZER. Paris, France. 2207 *Oak St.*
Collège de France. *Romance Languages.*

HARRY RUDOLPH VON DER HORST. Baltimore. 2814 *N. Calvert St.*
S. B., Mt. St. Joseph's College, 1902; Massachusetts Institute of Technology. *Geology and Chemistry.*

HENRY MCGILBERT WAGSTAFF. Olive Hill, N. C. 1214 *McCulloh St.*
Ph. B., University of North Carolina, 1899. *History, Political Economy, and Political Science.*

SEDLEY LYNCH WARE. Charleston, S. C. 1218 *Bolton St.*
B. ès Lett., University of France, 1891; A. B., Oxford University, 1895; LL. B., Columbia University, 1900. *History.*

ZENJIRO WATANABE. Iyo, Japan. 211 *Mosher St.*
Wesada University (Tokyo), 1904. *Political Economy.*

AUGUSTUS PRICE WEST. Baltimore. 2418 *St. Paul St.*
A. B., Johns Hopkins University, 1901. *Chemistry, Physical Chemistry, and Mineralogy.*

IRVING WHITE. Lewisville, Ind. 821 *Harlem Av.*
A. B., Earlham College, 1902; S. B., Haverford College, 1903. *Geology and Biology.*

ERNEST HATCH WILKINS. Amherst, Mass. 1608 *Linden Av.*
A. B., Amherst College, 1901, and A. M., 1903. *Romance Languages.*

LEON FRANKLIN WILLIAMS. Gatesville, N. C. 1214 *McCulloh St.*
A. B., Trinity College (N. C.), 1901, and A. M., 1902. *Chemistry, Physical Chemistry, and Mineralogy.*

LUTHER MARTIN REYNOLDS WILLIS. Baltimore. 2126 *Maryland Av.*
A. B., Johns Hopkins University, 1904. *Political Economy.*

BENJAMIN F. WILSON. Baltimore. 1104 *Madison Av.*
A. B., Davidson College, 1884, and A. M., 1896; B. D., Princeton Theological Seminary, 1887. *History and Political Science.*

ATTENDANTS ON SINGLE COURSES

Chemistry

WILLIAM JAMES HEAPS. Baltimore. 310 *W. Hoffman St.*
A. M., Allegheny College, 1893; LL. B., Baltimore Law School, 1903.

CHARLES MILTON STINE. Baltimore County. *Lutherville.*
A. B., Pennsylvania College, 1901, S. B., 1903, and A. M., 1904.

English

HERMAN LEONARD SCHOEN. Baltimore. 915 *Madison Av.*
LL. B., University of Maryland, 1903.

Geology and Mineralogy

ARTHUR BIBBINS. Baltimore. 2307 *N. Charles St.*
Ph. B., Albion College, 1887.

History, Politics, and Economics

REV. DAVISON MCDOWELL DOUGLAS. Baltimore. 2405 *Maryland Av.*
A. B., Davidson College, 1895; A. M., South Carolina College, 1899; B. D., Columbia (S. C.) Theological Seminary, 1899.

WILLIAM CHRISTIAN SCHMEISSER. Baltimore. 2401 *Eutaw Place.*
A. B., Johns Hopkins University, 1902.

HARLAN UPDEGRAFF. Baltimore. 2407 *St. Paul St.*
Ph. B., Cornell College, 1894; A. M., Columbia University, 1898.

RAYMOND SANDERSON WILLIAMS. Baltimore. 3101 *Walbrook Av.*
A. B., Princeton University, 1904.

Romance Languages

JAMES WALLACE BRYAN. Baltimore. 1305 *Bolton St.*
A. B., Johns Hopkins University, 1903.

CHARLES FREDERICK GLOTH. Baltimore. 20 *W. Preston St.*
A. B., Yale University, 1897.

TOBIAS NOËL DELOUGHMOE PURCELL. Baltimore. *The Brexton.*
A. B., Johns Hopkins University, 1900.

Mathematics

HERMAN IVAH THOMSEN. Baltimore. 212 *E. Preston St.*
A. B., Harvard University, 1881.

Graduate Students in Medicine

Candidates for the Degree of M. D.

Fourth Year

Ronald Taylor Abercrombie. Baltimore. 827 *Hamilton Terr.*
A. B., Johns Hopkins University, 1901.

Clarence Allen Baer. Milwaukee, Wis. 128 *Jackson Pl.*
B. L., University of Wisconsin, 1900, and S. B., 1901; University of Michigan, Summer of 1901.

Leon Kahn Baldauf. Henderson, Ky. 519 *N. Wolfe St.*
A. B., Johns Hopkins University, 1901.

Alice May Ballou. Providence, R. I. 144 *Jackson Pl.*
Ph. B., Brown University, 1900, and A. M., 1901.

Khleber Heberden Beall. Fort Worth, Tex. 1220 *N. Broadway.*
S. B. and M. S., University of Texas, 1899; M. D., Fort Worth University 1900.

Bertram Moses Bernheim. Louisville, Ky. 432 *N. Broadway.*
A. B., Johns Hopkins University, 1901.

Kosciusko Walker Constantine. Birmingham, Ala. 110 *W. 23d St.*
A. B., Johns Hopkins University, 1901.

Calvin Duvall Cowles, Jr. Baltimore. 1043 *N. Broadway.*
A. B., Guilford College, 1900, and University of North Carolina, 1901.

William Dick Cutter. Brooklyn, N. Y. 510 *N. Broadway.*
A. B., Yale University, 1899; Student, University of Bern, 1900.

Murray Snell Danforth. Bangor, Me. 626 *N. Broadway.*
A. B., Bowdoin College, 1901.

Otho Lee Dascombe. Wilton, Me. 318 *N. Broadway.*
A. B., Bowdoin College, 1901.

Howard Irving Davenport. Troy, N. Y. 1020 *N. Broadway.*
A. B., Hamilton College, 1901.

Homer J. Davidson. Crawfordsville, Ind. 718 *N. Broadway.*
S. B., Wabash College, 1899.

Solon Arthur Dodds. Reading, Pa. 510 *N. Broadway.*
Ph. B., Wesleyan University (Conn.), 1901.

Charles Edward Dowman, Jr. Atlanta, Ga. 510 *N. Broadway.*
A. B., Emory College, 1901; Student, Vanderbilt University, 1901.

John Augustine English Eyster. Baltimore. 1700 *Linden Av.*
S. B., Maryland Agricultural College, 1899; Graduate Student, Johns Hopkins University, 1899–1901.

Clifton Maupin Faris. Sacramento, Cal. 1707 *Fairmount Av.*
A. B., Leland Stanford Jr. University, 1900.

Frederick Reynolds Ford. Elmira, N. Y. 510 *N. Broadway.*
S. B., Colgate University, 1901.

Allen Wier Freeman. Richmond, Va. 318 *N. Broadway.*
S. B., Richmond College, 1899; Graduate Student, Johns Hopkins University, 1900–01.

PHILIP KINGSNORTH GILMAN. San Francisco, Cal. 510 *N. Broadway.*
A. B., Leland Stanford Jr. University, 1901.

SARAH MABEL GRIER. Salem, N. J. 144 *Jackson Pl.*
A. B., Bucknell University, 1901, and A. M., 1904.

EDITH HALE. Cambridge, Mass. 144 *Jackson Pl.*
A. B., Radcliffe College, 1901.

FRANCIS JENKS HALL. Brookville, Pa. 510 *N. Broadway.*
A. B., Yale University, 1899.

JULIUS THEODORE HALLER. Davenport, Ia. 821 *N. Broadway.*
S. B., University of Chicago, 1901.

HELEN HEMPSTEAD. Meadville, Pa. 505 *N. Wolfe St.*
A. B., Allegheny College, 1900; Cornell University, 1900–01.

NORVAL THOMAS HEPBURN. Oliver, Va. *The St. Paul.*
A. B., Randolph-Macon College, 1900, and A. M., 1901.

REUBEN PAUL HIGGINS. Cortland, N. Y. 212 *N. Broadway.*
A. B., Cornell University, 1902, and Medical Department, 1900–02.

DONALD RUSSELL HOOKER. New Haven, Conn. 510 *N. Broadway.*
A. B., Yale University, 1899, and M. S., 1901.

EDITH HOUGHTON. Corning, N. Y. *The St. Paul.*
A. B., Bryn Mawr College, 1900.

HENRY SPENCER HOUGHTON. Cleveland, O. 510 *N. Broadway.*
Ph. B., Ohio State University, 1901.

HENRY MARSHALL LANKFORD. Princess Anne. 422 *N. Broadway.*
A. B., Western Maryland College, 1901.

GEORGE BILTON LAWSON. Wytheville, Va. 632 *N. Washington St.*
A. M., Randolph-Macon College, 1899.

EUGENE JOSEPH LEOPOLD. Baltimore. 1112 *Eutaw Pl.*
A. B., Johns Hopkins University, 1901.

DAVID MARINE. Williston. 113 *Jackson Pl.*
A. B., Western Maryland College, 1900; Graduate Student, Johns Hopkins University, 1900–01.

HENRY AUGUSTUS MARTELLE. Brunswick, Me. 318 *N. Broadway.*
A. B., Bowdoin College, 1901.

ARCHIE LEETE McDONALD. Grand Forks, N. D. 802 *N. Broadway.*
A. B., University of North Dakota, 1901.

ARTHUR WILLIAM MEYER. Cedarburg, Wis. 1119 *N. Caroline St.*
A. B., University of Wisconsin, 1898.

WILLIAM LORENZO MOSS. Athens, Ga. 510 *N. Broadway.*
S. B., University of Georgia, 1901.

EUGENE BISHOP MUMFORD. New Harmony, Ind. 104 *Jackson Pl.*
S. B., University of Wisconsin, 1901.

JAMES EDGAR PAULLIN, JR. Fort Gaines, Ga. 128 *Jackson Pl.*
A. B., Mercer University, 1900, and Graduate Student, 1900–01.

GEORGE EDWARD REHBERGER. Baltimore. 801 *N. Broadway.*
A. B., Johns Hopkins University, 1901.

LAWRENCE J. RHEA. Rhea Mills, Tex. 802 *N. Broadway.*
S. B., University of Texas, 1901.

EDWARD HENDERSON RICHARDSON. Farmville, Va. 1041 *N. Broadway.*
A. B., Hampden-Sidney College, 1900; Graduate Student, Johns Hopkins University, 1900–01.

CHARLES RICKSHER. Fairfield, Ia. 111 *Jackson Pl.*
S. B., Parsons College (Ia.), 1901.

MARTIN PHILLIP RINDLAUB, JR. Platteville, Wis. 1220 *N. Broadway.*
B. L., University of Wisconsin, 1896; University of Chicago, 1897 and 1900; University of Berlin, 1900–01.

FRANK PEYTON ROUS. Baltimore. 252 *W. Hoffman St.*
A. B., Johns Hopkins University, 1900.

OSCAR MENDERSON SCHLOSS. Eufaula, Ala. 128 *Jackson Pl.*
S. B., Alabama Polytechnic Institute, 1901.

ROBERT BARNARD SLOCUM. Albany, N. Y. 510 *N. Broadway.*
Ph. B., University of Rochester, 1900, and Graduate Student, 1900–01.

LEWIS FREDERIC SMEAD. Columbus, O. 1032 *N. Broadway.*
A. B., Wooster University, 1901; Summer School, University of Wisconsin, 1901.

CHARLES WALTER STONE. Ben Avon, Pa. 1043 *N. Broadway.*
A. B., Washington and Jefferson College, 1901, and A. M., 1904.

CAROLINE BENSON TOWLES. Baltimore. *The Winona.*
A. B., Woman's College of Baltimore, 1893.

DOUGLAS VANDERHOOF. Baltimore. 510 *N. Broadway.*
B. L., Dartmouth College, 1901.

GEORGE HOYT WHIPPLE. Ashland, N. H. 120 *Jackson Pl.*
A. B., Yale University, 1900.

HARRY ISAAC WIEL. San Francisco, Cal. 1707 *Fairmount Av.*
A. B., Leland Stanford Jr. University, 1900; Student, Harvard University, 1901.

HIRAM LAMONT YOUTZ. Des Moines, Ia. 1032 *N. Broadway.*
Ph. B., Brown University, 1900, and A. M., 1901.

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Third Year

HENRY ADSIT. Hornellsville, N. Y. 731 *W. Lanvale St.*
A. B., Princeton University, 1902.

FRANK C. AINLEY. Des Moines, Ia. 1731 *N. Broadway.*
S. B., Drake University, 1902.

VIVIA BELLE APPLETON. Tama, Ia. 2025 *Maryland Av.*
A. B., Cornell University, 1901, and Medical Department, 1901–02.

FREDERIC WOLCOTT BANCROFT. Denver, Colo. 1117 *N. Eutaw St.*
A. B., Leland Stanford Jr. University, 1902.

HERSCHEL WINSTON BASS. Ashville, Ala. 1041 *N. Broadway.*
S. B., Alabama Polytechnic Institute, 1901, and M. S., 1902.

FRANK C. BEALL. Fort Worth, Tex. 1220 *N. Broadway.*
S. B., University of Texas, 1902.

EDWARD BAILEY BEASLEY. Baltimore. 1117 *N. Eutaw St.*
A. B., Johns Hopkins University, 1902.

HENRY BEEUWKES. Baltimore. 2005 *Druid Hill Av.*
A. B., Johns Hopkins University, 1902.

JULIAN RAYMOND BLACKMAN. Hastings, Neb. 533 *N. Wolfe St.*
A. B., University of Nebraska, 1902.

PHOEBE MAY BOGART. New York City. 144 *Jackson Pl.*
A. B., Wellesley College, 1902.

WALTER JAMES BOLAND. Troy, N. Y. 128 *Jackson Pl.*
A. B., Williams College, 1902.

EDWARDS BENNETT BROWN. Beloit, Wis. 1019 *N. Broadway.*
A. B., Beloit College, 1901; Wisconsin College of Physicians and Surgeons, 1901-02.

LOUIS HERBERT BURLINGHAM. Willimantic, Conn. 2103 *Oak St.*
A. B., Yale University, 1902.

CHARLES METCALFE BYRNES. Natchez, Miss. 125 *Jackson Pl.*
S. B., University of North Carolina, 1902.

JOHN ROBERTS CAULK. Easton. 103 *Jackson Pl.*
A. B., St. John's College, 1901; Georgetown University, 1901-02.

FRANK HIGBEE CHURCH. Boonville, N. Y. 2103 *Oak St.*
A. B., Hamilton College, 1902.

OREN HOWARD COBB. New York City. 1640 *N. Broadway.*
A. B., Harvard University, 1902.

T. HOMER COFFIN. Spencer, Ia. 527 *N. Wolfe St.*
S. B., Penn College, 1901.

HERBERT PHALON COLE. Fergus Falls, Minn. 318 *N. Broadway.*
A. B., St. Lawrence University, 1901; Student of Medicine, University of Minnesota, 1901-02.

EGERTON LAFAYETTE CRISPIN. Salem, N. J. 527 *N. Wolfe St.*
Ph. B., Illinois College, 1902.

ERNEST SAMUEL CROSS. Exeter, N. H. 318 *N. Broadway.*
A. B., Dartmouth College, 1901.

VICTOR FRANCIS CULLEN. Williamsport. 929 *Patterson Park Av.*
A. B., Rock Hill College, 1902.

GASTON DAY. Jacksonville, Fla. 1735 *N. Broadway.*
S. B., Florida State College, 1902.

RICHARD NIXON DUFFY. New Berne, N. C. 520 *N. Broadway.*
A. B., University of North Carolina, 1902.

FRANCIS FISHER EBERSOLE. Mount Pleasant, Pa. 527 *N. Wolfe St.*
A. B., Cornell College, 1902.

JOHN ANDREW FREESE. Cadwell, Ill. 1808 *N. Broadway.*
A. B., University of Illinois, 1902.

EUGENE PRICE GRAY. Winston-Salem, N. C. 520 *N. Broadway.*
A. B., University of North Carolina, 1902.

HERBERT LEE GRAY. Bangor, Me. 518 *N. Broadway.*
A. B., Colby College, 1902.

INSLEE BLAIR GREENE. Belvidere, N. J. 310 *E. 22nd St.*
Ph. B., Yale University, 1902.

FRANKLIN WEBB GRIFFITH. Upper Marlboro. 1021 *N. Broadway.*
A. B., Western Maryland College, 1902.

ARTHUR HEYWOOD GRISWOLD. Worcester, Mass. 106 *Jackson Pl.*
A. B., Harvard University, 1902.

HENRY HONEYMAN HAZEN. Washington, D. C. 16 *W. Twenty-first St.*
A. B., Johns Hopkins University, 1902.

HENRY FREDERIC HELMHOLZ. Milwaukee, Wis. 106 *Jackson Pl.*
S. B., University of Wisconsin, 1902; Summer Quarter, University of Chicago, 1902.

CHARLES WILLIAM HENNINGTON. Buffalo, N. Y. 1632 *Jefferson St.*
S. B., University of Rochester, 1902.

MINERVA HERRINTON. Greenville, Ia. *Hall's Springs.*
A. B., Cornell College, 1900; Graduate Student, Lewis Institute (Chicago), 1902.

JOSEPH HENRY HEWITT. Mapleton, Va. 533 *N. Wolfe St.*
A. B., University of North Carolina, 1899, and Medical Department, 1901-02; Harvard Medical School, Summer, 1902.

FRANK HINMAN. Forest Grove, Ore. 120 *Jackson Pl.*
A. B., Leland Stanford Jr. University, 1902.

JOSEPHINE DRUMMOND HUNT. Lexington, Ky. 518 *Cathedral St.*
A. B., Kentucky University, 1899, and A. M., 1902.

ELLIOTT H. HUTCHINS. Barstow. 720 *N. Broadway.*
A. B., St. John's College, 1902.

CLARENCE B. INGRAHAM, JR. Hartford, Conn. 1223 *McCulloh St.*
Ph. B., Yale University, 1902.

LAWRENCE LEOPOLD ISEMAN. Kansas City, Mo. 2212 *Maryland Av.*
Ph. B., Lafayette College, 1902.

WILLIAM FINNEY KELLAM. Wachapreague, Va. 505 *N. Wolfe St.*
A. B., Randolph-Macon College, 1902.

EUGENE ROBERT KELLY. Bangor, Me. 318 *N. Broadway.*
A. B., Bowdoin College, 1902.

JOHN HENDRICKEN KING. Baltimore. 212 *E. Biddle St.*
A. B., Johns Hopkins University, 1899, and Graduate Student, 1899-1902.

MARY BARKER KINGSBURY. Pottsville, Pa. 239 *W. Biddle St.*
A. B., Wellesley College, 1899; Harvard Summer School, 1899.

WILHELM EDMUND HARMON KRECHTING. New Germantown, N. J.
A. B. Princeton University, 1902. 1016 *N. Broadway.*

HARRY LESLIE LANGNECKER. New Brighton, Pa. 516 *Park Av.*
A. B., Leland Stanford Jr. University, 1901.

ANDRE EDWARD LEE. San Francisco, Cal. 136 *Jackson Pl.*
A. B., Leland Stanford Jr. University, 1902.

JOSEPH STOCKING LEWIS. Buffalo, N. Y. 131 *Jackson Pl.*
A. B., Canisius College, 1902.

DAVID ISRAEL MACHT. Baltimore. 1707 *E. Baltimore St.*
A. B., Johns Hopkins University, 1902; Harvard Summer School, 1903 and 1904.

GEORGE MARSDEN. New Bedford, Mass. 529 *N. Wolfe St.*
Ph. B., Brown University, 1900.

ENOCH MARVIN MASON. Birmingham, Ala. 1041 *N. Broadway.*
S. B., Alabama Polytechnic Institute, 1900, and M. S., 1901.

CARL R. MELOY. Springfield, O. 1743 *Jefferson St.*
A. B., Wittenberg College, 1902.

ROBERT EMORY MOORE. Baltimore. 1347 *York Road.*
A. B., Johns Hopkins University, 1902.

ARTHUR HENRY MORSE. Salem, Mass. 420 *N. Broadway.*
A. B., Tufts College, 1902; Harvard Medical School, Summer of 1903.

AGNES GORDON MURDOCH. Baltimore. 410 *Cathedral St.*
A. B., Woman's College of Baltimore, 1902.

MARIE ELEANOR NAST. Cincinnati, O. 144 *Jackson Pl.*
A. B., Woman's College (Balt.), 1902; University of Chicago, 1902-03.

JOHN FRANCIS ORTSCHILD. Portland, Ore. 1731 *N. Broadway.*
A. B., Leland Stanford Jr. University, 1899.

ROBERT PATEK. San Francisco, Cal. 126 *Jackson Pl.*
S. B., University of California, 1901.

ISAAC ROSENBAUM PELS. Baltimore. 1509 *Madison Av.*
A. B., Johns Hopkins University, 1902.

DAMON BECKETT PFEIFFER. Williamstown, N. J. 120 *Jackson Pl.*
A. B., Princeton University, 1902.

BENJAMIN SWAYNE PUTTS. Baltimore. 1115 *W. Lanvale St.*
A. B., Johns Hopkins University, 1902.

RALPH R. REA. Grundy Center, Ia. 720 *N. Broadway.*
S. B., Iowa State University, 1899.

FRANCIS HAMILTON REDEWILL. Berkeley, Cal. 1808 *N. Broadway.*
S. B., University of California, 1902.

RICHARD FREDERIC LOT RIDGWAY. Cream Ridge, N. J. 212 *N. Broadway.*
A. B., Princeton University, 1898, and A. M., 1902.

HENRY CAMP RUSS. Hartford, Conn. 1717 *Fairmount Av.*
A. B., Yale University, 1902.

HAROLD PAINE SAWYER. Lansingburg, N. Y. 2103 *Oak St.*
S. B., University of Alabama, 1902.

EDWIN HENRY SCHORER. Plymouth, Wis. 306 *W. Lanvale St.*
S. B., University of Wisconsin, 1902.

LAMAR SEELEY. Portland, Ore. 318 *N. Broadway.*
A. B., Williams College, 1902.

RALPH BERGER SEEM. Bangor, Pa. 318 *N. Broadway.*
Ph. B., Lafayette College, 1902.

FRANK JOSEPH SLADEN. Portland, Ore. 802 *N. Broadway.*
A. B., Yale University, 1902.

HARRY GORDON SLOAN. Pittsburg, Pa. 212 *N. Broadway.*
A. B., Washington and Jefferson College, 1902.

HARVEY BRINTON STONE. Towson. *Towson.*
A. B., Johns Hopkins University, 1902.

PERSIS ROSAMOND STRAIGHT. Bradford, Pa. 1114 *McCulloh St.*
A. B., Smith College, 1902.

SOLOMON STROUSE. Baltimore. 1704 *Eutaw Pl.*
A. B., Johns Hopkins University, 1902.

HENRY CLARKE THACHER. Baltimore. 209 *E. Preston St.*
A. B., Yale University, 1902, M. S., 1904, and Medical Department, 1902–03.

PHILIP PICKERING THOMPSON. Portland, Me. 318 *N. Broadway.*
A. B., Dartmouth College, 1902; Medical School of Maine, 1902–03.

LUCIUS TUTTLE. New Haven, Conn. 1632 *Jefferson St.*
A. B., Yale University, 1901.

WILLIS WILLARD WAITE. Brooklyn, Wis. 529 *N. Wolfe St.*
S. B., University of Wisconsin, 1902.

HAROLD RANDALL WEBB. Brunswick, Me. 106 *Jackson Pl.*
A. B., Bowdoin College, 1902.

GEORGE HOWARD WHITE, JR. Catonsville. 621 *N. Wolfe St.*
A. B., Princeton University, 1902.

FREDERICK PETHERAM WILBUR. Skaneateles, N. Y. 128 *Jackson Pl.*
A. B., Williams College, 1902.

NANNIE LEE WINN. Clayton, Ala. 2416 *St. Paul St.*
A. B., Woman's College of Baltimore, 1900.

JOHN ARTHUR WINTER. Negaunee, Mich. 103 *Jackson Pl.*
A. B., University of Michigan, 1902.

GILMAN JOSEPH WINTHROP. Tallahassee, Fla. 1640 *N. Broadway.*
A. B., University of the South, 1902.

BENJAMIN EDGAR WOLFORT. St. Louis, Mo. 129 *N. Broadway.*
S. B., University of Pennsylvania, 1902, and Medical Department, 1901–02.

SAMUEL WOLMAN. Baltimore. 1211 *McElderry St.*
A. B., Johns Hopkins University, 1902.

PEREGRINE WROTH, JR. Baltimore. 215 *E. Preston St.*
A. B., Johns Hopkins University, 1902.

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Second Year

MERLE THERON ADKINS. Troy, Wis. 1019 *N. Broadway.*
S. B., Beloit College, 1903.

SIDNEY HERMAN ADLER. Baltimore. 809 *Newington Av.*
A. B., Johns Hopkins University, 1904.

WALTER LEWIS BARBER, JR. Waterbury, Conn. 1705 *Fairmount Av.*
A. B., Yale University, 1903.

FRANCIS MERRIMAN BARNES, JR. Middletown, N. Y. 432 *N. Broadway.*
A. B., Hamilton College, 1903.

ALBERT HENRY BEIFELD. Chicago, Ill. 126 *Jackson Place.*
A. B., Harvard University, 1902.

EDWARD GRANT BIRGE. Madison, Wis. 1525 *N. Broadway.*
S. B., University of Wisconsin, 1903.

MONTAGUE LAFFITTE BOYD. Savannah, Ga. 13 *E. Franklin St.*
Ph. B., Emory College, 1903.

LEVERETT DALE BRISTOL. Washington, D. C. 1734 *E. Fayette St.*
S. B., Wesleyan University (Conn.), 1903.

CHESTER TIMOTHY BROWN. Atlantic City, N. J. 1016 *N. Broadway.*
S. B., Rutgers College, 1903.

WADE HAMPTON BROWN. Marshall, Tex. 1022 *N. Broadway.*
S. B., University of Nashville, 1899; University of Chicago, 1902-03.

FREDERICK DABNEY BULLOCK. Lexington, Ky. 118 *Jackson Pl.*
S. B., Kentucky State College, 1899.

EDWARD KIMBALL BURBECK. Manchester, N. H. 821 *N. Broadway.*
A. B., Dartmouth College, 1903.

CHARLES BURNSIDE. Audubon, Ia. 1032 *N. Broadway.*
Ph. B., Iowa College, 1903.

WAID EDWIN CARSON. Ripley, W. Va. 140 *Jackson Pl.*
A. B., Ohio Wesleyan University, 1900; Spring and Summer Quarters, University of Chicago, 1903.

JAMES H. CHESNUTT. Hot Springs, Ark. 118 *Jackson Pl.*
A. B., University of Virginia, 1903.

ELIOT ROUND CLARK. Wethersfield, Conn. 1717 *Fairmount Av.*
A. B., Yale University, 1903.

PAUL WISWALL CLOUGH. Portage, Wis. 1524 *N. Broadway.*
S. B., University of Wisconsin, 1903.

EDWIN CHARLES COET. Allegheny, Pa. 1014 *N. Broadway.*
A. B., Washington and Jefferson College, 1901, and A. M., 1904; Student, Western Pennsylvania Medical College, 1901-03.

FRED YOHN CRONK. Westminster. 1202 *E. Preston St.*
S. B., St. John's College, 1903.

ROBERT LAW CUNNINGHAM. Newburgh, N. Y. 527 *N. Wolfe St.*
A. B., Wabash College, 1901.

CLINE FLEMMING DAVIDSON. Crawfordsville, Ind. 718 *N. Broadway.*
S. B., Wabash College, 1900; University of Illinois, 1901-03.

PAUL HERMAN DERNEHL. Milwaukee, Wis. 1603 *E. Biddle St.*
S. B., University of Wisconsin, 1903.

WILLIAM WERT DINSMORE. Decatur, Ala. 1041 *N. Broadway.*
S. B., Alabama Polytechnic Institute, 1903.

ALPHONSE RAYMOND DOCHEZ. Harford Furnace. 103 *Jackson Pl.*
A. B., Johns Hopkins University, 1903.

ROBERT WEYER DUNLAP. Washington, Pa. 1032 *N. Broadway.*
A. B., Washington and Jefferson College, 1903.

DAN HUGHES DUPREE. Danville, Ga. 1717 *Fairmount Av.*
S. B., University of Georgia, 1903.

WILLIS DEW GATCH. Aurora, Ind. 1610 *E. Madison St.*
A. B., Indiana University, 1901.

WILHELMINA VON GERBER. Weston, Mass. 429 *N. Broadway.*
A. B., Bryn Mawr College, 1903.

GEORGE BURTON GILBERT. Thomaston, Conn. 111 *Jackson Pl.*
A. B., Yale University, 1903.

HENRY GRABER. Royersford, Pa. 1014 *N. Broadway.*
A. B., Ursinus College, 1903.

CLYDE GRAEME GUTHRIE. Indiana, Pa. 205 *E. North Av.*
A. B., Lafayette College, 1903.

MILTON HAHN. Washington, D. C. 107 *Jackson Pl.*
A. B., Harvard University, 1903.

ALECK PERKINS HARRISON. Tallahassee, Fla. 143 *N. Broadway.*
A. B., Florida State College, 1899.

GEORGE W. K. HARTMAN. Merced, Cal. 1525 *N. Broadway.*
S. B., University of California, 1903.

FRANKLIN HAZLEHURST, JR. Baltimore. 2112 *St. Paul St.*
A. B., Johns Hopkins University, 1903.

RALPH WELLINGTON HELLENBRAND. Old Town, Me. 432 *N. Broadway.*
A. B., Bowdoin College, 1903.

ELIZABETH SINGLEY HELLWEG. Baltimore. 210 *S. Washington St.*
A. B., Woman's College of Baltimore, 1899.

GLADYS ROWENA HENRY. Burchard, Neb. 144 *Jackson Pl.*
S. B., University of Nebraska, 1900.

GEORGE JULIUS HEUER. Madison, Wis. 1524 *N. Broadway.*
S. B., University of Wisconsin, 1903.

EBEN CHARLES HILL. Baltimore. 2120 *N. Charles St.*
A. B., Johns Hopkins University, 1903.

CHARLES LANE HINCHER. Kent, N. Y. 1706 *E. Monument St.*
S. B., University of Rochester, 1903.

JOSEPH GARDNER HOPKINS. Brooklyn, N. Y. 1717 *Fairmount Av.*
A. B., Columbia University, 1902.

HERBERT LESTER KELLEY. Franklin Falls, N. H. 422 *N. Broadway.*
A. B., Dartmouth College, 1903.

ALLEN KRAMER KRAUSE. Lebanon, Pa. 113 *Jackson Pl.*
A. B., Brown University, 1901, A. M., 1902, and Graduate Student, 1902-03.

SALLY PORTER LAW. Hartford, Conn. 429 *N. Broadway.*
A. B., Bryn Mawr College, 1903.

BETHUEL BOYD VINCENT LYON. Philadelphia, Pa. 1705 *Fairmount Av.*
A. B., Williams College, 1903.

PERRY WILLIAM MCLAUGHLIN. Mason-Dixon, Pa. 140 *Jackson Pl.*
A. B., Pennsylvania College, 1903.

EDWARD FALL MALONE. Nashville, Tenn. 515 *Cathedral St.*
A. B., Vanderbilt University, 1903.

LYMAN CLEMENTS MURPHY. Burlington, N. C. 306 *W. Lanvale St.*
A. B., Johns Hopkins University, 1902.

NORRIS GREY ORCHARD. Fargo, N. Dak. 116 *Jackson Pl.*
S. B., Fargo College, 1903.

FRED THOMAS OWENS. West Winfield, N. Y. 432 *N. Broadway.*
A. B., Hamilton College, 1903.

CHARLES BENJAMIN PALMER. Little Falls, N. Y. 1022 *N. Broadway.*
A. B., Harvard University, 1901.

WILLIAM TURNER PARSONS. Baltimore. 1623 *N. Calvert St.*
A. B., Johns Hopkins University, 1903.

WILLIAM OTTO PAULI. Cincinnati, O. 12 *N. Ann St.*
A. B., University of Cincinnati, 1902.

GEORGE PEIRCE. Haverford, Pa. 802 *N. Broadway.*
A. B., Haverford College, 1903.

EUGENE LEO PESSAGNO. Baltimore. 908 *Eastern Av.*
A. B., Johns Hopkins University, 1903.

HARRY WARD PLAGGEMEYER. Baltimore. 1040 *Hopkins Av. W.*
A. B., Johns Hopkins University, 1903.

PAUL PREBLE. Auburn, Me. 432 *N. Broadway.*
A. B., Bowdoin College, 1903.

ALEXANDER RANDALL. Annapolis. 103 *Jackson Pl.*
A. B., St. John's College, 1902; Graduate Student, Johns Hopkins University, 1902-03.

DANIEL PATTEE RAY. Tyrone, Pa. 422 *N. Broadway.*
A. B., Dickinson College, 1903.

CLARENCE ADAIR RHODES. Buchanan, Va. 1016 *N. Broadway.*
A. B., Randolph-Macon College, 1903.

CHARLES WOODWARD RILEY. Baltimore. 1113 *Madison Av.*
A. B., Johns Hopkins University, 1903.

EDGAR POE SANDROCK. Baltimore. 1242 *N. Broadway.*
A. B., Johns Hopkins University, 1903.

HIRAM SIBLEY SCHUMACHER. Rochester, N. Y. 1706 *E. Monument St.*
Ph. B., University of Rochester, 1903.

RAYMOND BROWN SCOFIELD. Hemet, Cal. 2443 *E. Biddle St.*
S. B., University of Rochester, 1902.

WILL FARQUHAR SHALLENBERGER. Edgewood, Pa. 212 *N. Broadway.*
A. B., Washington and Jefferson College, 1903.

*CLARENCE ALBERT SHORE. Winston-Salem, N. C. 520 *N. Broadway.*
S. B., University of North Carolina, 1901, M. S., 1902, and Medical Department, 1903-04.

GEORGE ARTHUR SMITH. Hartford, Conn. 111 *Jackson Pl.*
A. B., Yale University, 1903.

JOSEPH TATE SMITH, JR. Baltimore. *The Cecil, N. Eutaw St.*
A. B., Johns Hopkins University, 1903.

CHARLES GRANVILLE SOUDER. Lafayette, Ind. 12 *N. Ann St.*
S. B., Ohio State University, 1903.

CHARLES HENRY STUBENRAUCH. Baltimore. 2027 *McCulloh St.*
A. B., Johns Hopkins University, 1903.

WILLIAM M. THALHIMER. Richmond, Va. 1525 *N. Broadway.*
S. B., Richmond College, 1903; Cornell University, Summer Sessions of 1902 and 1903.

CHARLES HENRY TURKINGTON. Morris, Conn. 1717 *Fairmount Av.*
Ph. B., Yale University, 1903.

PERCY THEODORE WATSON. Northfield, Minn. 1019 *N. Broadway.*
A. B., Carleton College, 1903.

WILLIAM HENDERSON WHITE. Carlisle, Pa. 422 *N. Broadway.*
A. B., Dickinson College, 1903.

UDO JULIUS WILE. New York, N. Y. 131 *Jackson Pl.*
A. B., Columbia University, 1904, and Medical Department, 1903-04.

MILTON CHARLES WINTERNITZ. Baltimore. 116 *S. Broadway.*
A. B., Johns Hopkins University, 1903.

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First Year

SOLOMON JACOB APPELBAUM. Rochester, N. Y. 433 *N. Broadway.*
A. B., University of Rochester, 1904.

EDWARD MCPHERSON ARMSTRONG. Hagerstown. 1412 *E. Chase St.*
A. B., Princeton University, 1904.

CHARLES ROBERT AUSTRIAN. Baltimore. 1714 *McCulloh St.*
A. B., Johns Hopkins University, 1904.

JAMES ALFRED BETTS. Ocean View, Del. 1725 *Jefferson St.*
A. B., Dickinson College, 1904.

JOSEPH ROBSON BROMWELL BRANCH. Ellicott City. 1314 *McCulloh St.*
A. B., Johns Hopkins University, 1904.

ADDISON GORGAS BRENIZER, JR. Charlotte, N. C. 520 *N. Broadway.*
A. B., University of North Carolina, 1904.

JAMES STEWART BROTHERHOOD. Brooklyn, N. Y. 12 *N. Ann St.*
S. B., Dartmouth College, 1904.

CARL HERBERT BRYANT. Independence, Mo. 109 *Jackson Pl.*
Ph. B., Yale University, 1904.

JONATHAN EDWARD BURNS, JR. Charlestown, W. Va. 109 *Jackson Pl.*
A. B., University of Virginia, 1904.

CHRISTIAN FREDERICK CARSTENS. Ackley, Ia. 1743 *Jefferson St.*
A. B., Lake Forest College, 1901.

ELBERT CLARK. Waldo, Ark. 1725 *Jefferson St.*
S. B., University of Arkansas, 1903.

WEBSTER KIMBALL CLARK. Wethersfield, Conn. 1720 *Fairmount Av.*
Ph. B., Yale University, 1904.

RALPH DEBALLARD CLARKE. New London, Conn. 702 *N. Broadway.*
A. B., New York University, 1904.

THOMAS PATRICK COAN. Baltimore. 867 *Hollins St.*
A. B., Mt. St. Joseph's College, 1903.

JEAN VALJEAN COOKE. Morgantown, W. Va. 1022 *N. Broadway.*
A. B., University of West Virginia, 1903, and Yale University, 1904.

EDWARD VINCENT COOLAHAN. Baltimore. 41 *S. Schroeder St.*
A. B., Rock Hill College, 1903.

FREDERICK ALOYSIUS COUGHLIN. Providence, R. I. 236 *N. Patterson Pk. Av.*
A. B., Brown University, 1904.

SAMUEL JAMES CROWE. Atlanta, Ga. 316 *N. Broadway.*
A. B., University of Georgia, 1904.

WILLIAM TURNER PARSONS. Baltimore. 1623 *N. Calvert St.*
A. B., Johns Hopkins University, 1903.

WILLIAM OTTO PAULL. Cincinnati, O. 12 *N. Ann St.*
A. B., University of Cincinnati, 1902.

GEORGE PEIRCE. Haverford, Pa. 802 *N. Broadway.*
A. B., Haverford College, 1903.

EUGENE LEO PESSAGNO. Baltimore. 908 *Eastern Av.*
A. B., Johns Hopkins University, 1903.

HARRY WARD PLAGGEMEYER. Baltimore. 1040 *Hopkins Av. W.*
A. B., Johns Hopkins University, 1903.

PAUL PREBLE. Auburn, Me. 432 *N. Broadway.*
A. B., Bowdoin College, 1903.

ALEXANDER RANDALL. Annapolis. 103 *Jackson Pl.*
A. B., St. John's College, 1902; Graduate Student, Johns Hopkins University, 1902-03.

DANIEL PATTEE RAY. Tyrone, Pa. 422 *N. Broadway.*
A. B., Dickinson College, 1903.

CLARENCE ADAIR RHODES. Buchanan, Va. 1016 *N. Broadway.*
A. B., Randolph-Macon College, 1903.

CHARLES WOODWARD RILEY. Baltimore. 1113 *Madison Av.*
A. B., Johns Hopkins University, 1903.

EDGAR POE SANDROCK. Baltimore. 1242 *N. Broadway.*
A. B., Johns Hopkins University, 1903.

HIRAM SIBLEY SCHUMACHER. Rochester, N. Y. 1706 *E. Monument St.*
Ph. B., University of Rochester, 1903.

RAYMOND BROWN SCOFIELD. Hemet, Cal. 2443 *E. Biddle St.*
S. B., University of Rochester, 1902.

WILL FARQUHAR SHALLENBERGER. Edgewood, Pa. 212 *N. Broadway.*
A. B., Washington and Jefferson College, 1903.

*CLARENCE ALBERT SHORE. Winston-Salem, N. C. 520 *N. Broadway.*
S. B., University of North Carolina, 1901, M. S., 1902, and Medical Department, 1903-04.

GEORGE ARTHUR SMITH. Hartford, Conn. 111 *Jackson Pl.*
A. B., Yale University, 1903.

JOSEPH TATE SMITH, JR. Baltimore. *The Cecil, N. Eutaw St.*
A. B., Johns Hopkins University, 1903.

CHARLES GRANVILLE SOUDER. Lafayette, Ind. 12 *N. Ann St.*
S. B., Ohio State University, 1903.

CHARLES HENRY STUBENRAUCH. Baltimore. 2027 *McCulloh St.*
A. B., Johns Hopkins University, 1903.

WILLIAM M. THALHIMER. Richmond, Va. 1525 *N. Broadway.*
S. B., Richmond College, 1903; Cornell University, Summer Sessions of 1902 and 1903.

CHARLES HENRY TURKINGTON. Morris, Conn. 1717 *Fairmount Av.*
Ph. B., Yale University, 1903.

PERCY THEODORE WATSON. Northfield, Minn. 1019 *N. Broadway.*
A. B., Carleton College, 1903.

JAMES ALPHONSUS MCCANN. Providence, R.I. 236 *N. Patterson Pk. Av.*
Ph. B., Brown University, 1904.

JAMES NANCE MCCAUGHRIN. Newberry, S. C. 132 *Jackson Pl.*
S. B., Princeton University, 1899.

ROY DONALDSON MCCLURE. Columbus, O. 12 *N. Ann St.*
A. B., Ohio State University, 1904.

PATRICK JOSEPH MCDONNELL. Archbold, Pa. 1734 *E. Fayette St.*
Ph. B., Wesleyan University (Conn.), 1904.

CHARLES WILSON MILLS. Pittsfield, Mass.
A. B., Williams College, 1902. *Garrison and Beech Avs, Walbrook.*

DAVID FLOURNOY MORTON. Eureka Mills, Va. 1702 *N. Broadway.*
S. B., Virginia Polytechnic Institute, 1897.

GROVER CLEVELAND NEY. Harrisonburg, Va. 1830 *Linden Av.*
A. B., Mt. St. Joseph's College, 1904.

JAMES HARRY OPPENHEIMER. Cincinnati, O. 2019 *Eutaw Pl.*
A. B., Harvard University, 1904.

FRANK GIBSON PORTER. Baltimore. 1213 *Harford Av.*
A. B., Johns Hopkins University, 1904.

ROBERT SHEFFEY PRESTON. Marion, Va. 1012 *N. Broadway.*
A. B., Hampden-Sidney College, 1903; A. M., Princeton University, 1904.

FREDERICK SYLVANUS RAY. Riverside, Cal. 122 *Jackson Pl.*
S. B., University of California, 1904.

LILLIAN EMELINE RAY. Palo Alto, Cal. 1219 *Madison Av.*
A. B., Leland Stanford Jr. University, 1897, and A. M., 1901.

ALFRED JOSEPH RIDGES, JR. Salt Lake City, Utah. 807 *Bradford St.*
S. B., University of Utah, 1900.

HAMILTON RINDE. Grafton, N. Dak. 529 *N. Wolfe St.*
A. B., University of North Dakota, 1902.

JAMES LEE ROBINSON. Palestine, Texas. 521 *N. Wolfe St.*
A. B., University of Texas, 1904.

JAMES ISAAC SCARBOROUGH. Newport, Ark. 702 *N. Broadway.*
A. B., Princeton University, 1904.

SOLOMON WEINSCHENK SCHAEFER. Yazoo City, Miss. 109 *Jackson Pl.*
A. B., Washington and Lee University, 1904.

JOHN BUSHROD SCHWATKA, JR. Baltimore. 1003 *N. Broadway.*
A. B., Johns Hopkins University, 1904.

LAURENCE SELLING. Portland, Ore. 810 *N. Broadway.*
A. B., Yale University, 1904.

HARRY PHILIP SHUGERMAN. Birmingham, Ala. 433 *N. Broadway.*
A. B., Howard College, 1901; Student of Medicine, Columbia University, 1902-03, and Graduate Student, 1903-04.

MARY CECELIA SIELING. York, Pa. 1129 *McCulloh St.*
A. B., Pennsylvania College, 1903, Cornell University, 1904.

ROLAND LEIGHTON STACY. South Berwick, Me. 1725 *E. Jefferson St.*
A. B., Dickinson College, 1904.

ALBERT AGNEW THOMAS. A. B., Indiana University, 1904.	Linton, Ind.	1525 *N. Broadway.*
DWIGHT WALLACE TRACY. Ph. B., Yale University, 1904.	Hartford, Conn.	113 *Jackson Pl.*
E. EVERETT TREDWAY. A. B., Yale University, 1901.	Gloversville, N. Y.	107 *Jackson Pl.*
CECIL WOODS VEST. S. B., Iowa College, 1904.	Montezuma, Ia.	1024 *N. Broadway.*
JAMES JOHNSTON WARING. Ph. B., Yale University, 1904.	Savannah, Ga.	1412 *E. Chase St.*
JAMES HOMER WILSON. Ph. B., Lafayette College, 1904.	Cumberland.	109 *Jackson Pl.*
HELEN WORTHINGTON. A. B., University of Cincinnati, 1902, and Graduate Student, 1902-03.	Cincinnati, O.	224 *E. Biddle St.*
JOSEPH KENT WORTHINGTON. A. B., Haverford College, 1903.	Philadelphia, Pa.	103 *W. Monument St.*

PHYSICIANS ATTENDING SPECIAL COURSES, 1904-05

BENJAMIN RUSH BEELER. Mineral Wells, Tex. 614 *St. Paul St.*
M. D., College of Physicians and Surgeons (Balt.,) 1895. *Medicine.*

GEORGE E. BEILBY. Rochester, N. Y. 246 *W. Lanvale St.*
M. D., Albany Medical College, 1899. *Gynecological Pathology and Pathology.*

EWING BROWN. Omaha, Neb. 518 *N. Broadway.*
M. D., Jefferson Medical College, 1883. *Gynecological Pathology and Clinical Microscopy.*

JAMES K. GORDON. Ripley, Ont. 122 *Jackson Pl.*
M. D. C. M., Trinity University (Toronto), 1893. *Medicine and Dermatology.*

NATHAN R. GORTER. Baltimore. 1 *W. Biddle St.*
M. D., University of Maryland, 1879. *Surgical Pathology.*

JAMES W. JOBLING. Jefferson City, Tenn. 1042 *N. Eden St.*
M. D., Tennessee Medical College, 1896. *Bacteriology and Pathology.*

WALTER V. S. LEVY. Frederick. 1535 *Park Av.*
M. D., University of Maryland, 1904. *Bacteriology.*

MALCOLM G. MACNEVIN. Butte, Mont. 1324 *Eutaw Pl.*
M. D., University of Michigan, 1890. *Surgical Pathology.*

ISABEL M. MEADER. Watertown, N. Y. 812 *N. Broadway.*
M. D., Woman's Hospital Med. Coll. (Chicago), 1887. *Special Research.*

MAHLON D. OGDEN. Little Rock, Ark. 422 *N. Broadway.*
M. D., University of Arkansas, 1904. *Medicine.*

J. LAZELLE SAWYERS. Centreville, Ia. *The Albion.*
M. D., Chicago Medical College, 1878. *Medicine, Clinical Microscopy, Gynecological Pathology, and Neurology.*

JOSÉ M. SELDEN. Sewanee, Tenn. 118 *Jackson Pl.*
M. S. and M. D., University of the South, 1898 and 1902. *Anatomy.*

HENRY F. R. SNYDER. Baltimore. 2205 *E. Preston St.*
D. D. S., Baltimore Medical College, 1900. *Histology and Pathology.*

HENRY H. STANSBURY. Baltimore. 227 *W. Monument St.*
M. D., Southern Homeopathic Medical College, 1896. *Gross Anatomy.*

JAMES P. WATKINS. Opelika, Ala. 629 *N. Calvert St.*
M. D., College of Physicians and Surgeons (Balt.), 1897. *Surgery,*

DANIEL A. WEBB. Scranton, Pa. *Hotel Broadway.*
M. D., Georgetown University, 1896. *Medicine.*

PHYSICIANS ATTENDING SPECIAL COURSES, APRIL, MAY, AND JUNE, 1904

[Not enrolled in the Register for 1903–04.]

CHARLES C. BAPS. Columbia, Miss.
M. D., Tulane University, 1899. *Medicine, Physical Diagnosis, Pathology, and Surgical Pathology.*

BERTHA D. BERGER. Catonsville.
M. D., University of Southern California, 1903. *Pathology.*

GEORGE C. BLADES. Baltimore.
M. D., Maryland Medical College, 1904. *Gross Anatomy.*

JOHN L. BRADLEY. Creemore, Canada.
M. D. C. M., Trinity University (Toronto), 1894. *Gynecological Pathology.*

GEORGE C. BRYAN. Matagorda, N. M.
M. D., Baltimore Medical College, 1896. *Clinical Microscopy, Operative Surgery, Pathology, Surgical Pathology, and Anatomy.*

ELMORE F. BUTTERFIELD. Washington, D. C.
M. D., Columbian University, 1903. *Gynecological Pathology, Surgical Pathology, and Bacteriology.*

W. WALTER BUTTERWORTH. New Orleans, La.
M. D., Tulane University, 1894. *Medicine, Clinical Microscopy, Pathology, and Physical Diagnosis.*

JULIAN M. CABELL. Washington, D. C.
M. D., University of Virginia, 1886. *Clinical Microscopy and Diseases of Skin.*

JOHN D. CANTWELL. Davenport, Ia.
M. D., University of Iowa, 1901. *Gynecology and Clinical Microscopy.*

DAVID CASSADY. Salt Lake City, Utah.
M. D., Gross Medical College, 1902. *Medicine and Eye and Ear.*

ALBERT L. CASTLEMAN. Salt Lake City, Utah.
M. D. C. M., McGill University, 1888. *Medicine, Physical Diagnosis, X-Ray, and Pathology.*

ARTHUR B. CROOM. Maxton, N. C.
University of Maryland. *Pathology.*

WARREN C. DALY. Rochester, N. Y.
M. D., N. Y. Homeopathic Medical College, 1902. *Medicine, Surgical Pathology, Gynecological Pathology, and Physical Diagnosis.*

JOHN L. DENSON. Maysfield, Texas.
M. D., Memphis Hospital Medical College, 1898. *Genito-Urinary Surgery.*

JAMES H. DEWOLF. Baltimore.
M. D., Jefferson Medical College, 1878. *Obstetrics.*

WILLIAM C. DIXON. Nashville, Tenn.
M. D., Vanderbilt University, 1903. *Medicine and Clinical Microscopy.*

HARRY H. DONALLY. Washington, D. C.
M. D., Columbian University, 1903. *Clinical Microscopy.*

ARTHUR A. DOWNS. Fairfield, Me.
M. D., Baltimore Medical College, 1897. *Medicine and Obstetrics.*

CHARLES L. ESHLEMAN. New Orleans, La.
M. D., Tulane University, 1904. *Medicine and Physical Diagnosis.*

EDMUND B. ECHLIN. Ottawa, Canada.
M. D., Queen's University, 1891. *Operative Surgery and Gynecology.*

CHARLES B. ENSOR. Baltimore.
M. D., Baltimore Medical College, 1903. *Operative Surgery.*

FRANKLIN F. ERB. Reisterstown.
M. D., Southern Homeopathic Medical College (Balt.), 1902. *Gynecology.*

RAWLINGS C. FEAR. Gardner, Kan.
M. D., Marion Sims College, 1897. *Medicine and Operative Surgery.*

FRED. FERNALD. Nottingham, N. H.
M. D., Baltimore Medical College, 1900. *Physical Diagnosis.*

ROBERT D. FLETCHER. Winnipeg, Canada.
M. D. C. M., University of Manitoba, 1903. *Cystoscopy and Medicine.*

JOHN GIRDWOOD. Baltimore.
M. D., University of Maryland, 1894. *Physical Diagnosis.*

WILLIAM A. GORDON. Winnebago, Wis.
M. D., Rush Medical College, 1903. *Surgical Pathology, Cystoscopy, and Gynecological Pathology.*

IRA F. GOSE. Danville, Ky.
M. D., College of Physicians and Surgeons (Balt.), 1896. *Medicine and Clinical Microscopy.*

EWING C. GUTHRIE. Aspen, Colo.
M. D., College of Physicians and Surgeons (St. Louis), 1888. *Medicine and Operative Surgery.*

GEORGE A. B. HALL. Nelson, B. C.
M. D., Cooper Medical College, 1895. *Medicine, Gynecology, X-Ray, and Cystoscopy.*

ARTHUR HEBB. Baltimore.
M. D., Baltimore Medical College, 1896. *Operative Surgery.*

NATHAN HERMAN. Baltimore.
M. D., Louisville Medical College, 1894. *Genito-Urinary Surgery.*

DAVID E. HOFF. Union Bridge.
M. D., University of Maryland, 1902. *Physical Diagnosis.*

B. FRANK HORNE. Conway, N. H.
M. D., College of Physicians and Surgeons (Balt.), 1893. *Physical Diagnosis.*

LUTHER P. HOWELL. Washington C. H., O.
M. D., Baltimore Medical College, 1893. *Gynecology.*

ROBERT L. JONES. Nashville, Tenn.
M. D., Vanderbilt University, 1896. *Medicine, Pathology, and Clinical Microscopy.*

PAUL KENYON. Wadena, Minn.
M. D., Northwestern University, 1896. *Medicine, Clinical Microscopy, Skin, and X-Ray.*

IRA B. LADD. Stockton, Cal.
M. D., Cooper Medical College, 1896. *Genito-Urinary Surgery.*

WILLIAM L. LAW. Montgomery, Ala.
M. D., Tulane University, 1894. *Clinical Microscopy.*

WILLIAM LITTERER. Nashville, Tenn.
M. D., Vanderbilt University, 1901. *Pathology and Gynecological Pathology.*

TILGHMAN B. MARDEN. Baltimore.
M. D., University of Maryland, 1902. *Pathology and Bacteriology.*

RONALD MACKECHNIE. Marmora, Canada.
M. D. C. M., Trinity University (Toronto), 1900. *Physical Diagnosis and Obstetrics.*

ED. E. MAXEY. Boise, Idaho.
M. D., College of Physicians and Surgeons (Chicago), 1891. *Medicine, X-Ray, and Physical Diagnosis.*

S. M. MILLER. Peoria, Ill.
M. D., Northwestern University, 1899. *Operative Surgery and Surgical Pathology.*

JAMES J. MONAHAN. Chicago, Ill.
M. D., University of Illinois, 1903. *Medicine and Clinical Microscopy.*

ARTHUR T. NEWCOMB. Pasadena, Cal.
M. D., Baltimore Medical College, 1893. *Medicine and Physical Diagnosis.*

M. M. PEARSON. Bristol, Tenn.
M. D., Central University, 1889. *Medicine and Physical Diagnosis.*

ROY H. PECK. Baltimore.
M. D., Kentucky School of Medicine, 1903. *Genito-Urinary Surgery.*

EMLEY B. QUEAL. Boulder, Colo.
M. D., Ohio Medical College (Cincinnati), 1890. *Medicine, Physical Diagnosis, Pathology, and Clinical Microscopy.*

ROBERT L. RAMEY. El Paso, Texas.
M. D., University of Maryland, 1892. *Histology, Gross Anatomy, Pathology, and Gynecology.*

GEORGE M. RUFFIN. Washington, D. C.
M. D., Columbian University, 1902. *Clinical Microscopy.*

MILTIADES H. SAVVA. Samsoun, Turkey.
M. D., American Medical College (Beirut), 1903. *Operative Surgery and Gynecology.*

J. LAZELLE SAWYERS. Centreville, Ia.
M. D., Chicago Medical College, 1878. *Medicine, Physical Diagnosis, and Surgical Pathology.*

J. K. B. EMORY SEEGAR. Baltimore.
M. D., Baltimore Medical College, 1900. *Gynecology.*

JOHN N. SHAFF. Alton, Ill.
M. D., Rush Medical College, 1900. *Medicine, Physical Diagnosis, and Operative Surgery.*

CLAYTON E. SHAW. Hoosick Falls, N. Y.
M. D., Albany Medical School, 1899. *Medicine, Clinical Microscopy, and Diseases of Skin.*

NICHOLAS SHILLITO. Pittsburg, Pa.
M. D., Western Penna. Medical College, 1895. *Gynecology, Gynecological Pathology, and Cystocopy.*

EDGAR R. STILLMAN. Troy, N. Y.
M. D., Albany Medical College, 1899. *Medicine, Clinical Microscopy, and Skin Diseases.*

WILLIAM X. TAYLOR. Barberton, O.
M. D., College of Physicians and Surgeons (Cleveland), 1903. *Obstetrics and Physical Diagnosis.*

MARTILLUS L. TODD. Baltimore.
M. D., Baltimore Medical College, 1897. *Operative Surgery.*

CHARLES U. THRALLS. Hymera, Ind.
M. D., Illinois Medical College, 1903. *Gynecology.*

NATHANIEL P. WALKER. Milledgeville, Ga.
M. D., University of Georgia, 1901. *Medicine, Physical Diagnosis, and Clinical Microscopy.*

HENRY S. WARD. Birmingham, Ala.
M. D., University of Nashville, 1898. *Pathology, Surgical Pathology, Bacteriology, and Physical Diagnosis.*

UNDERGRADUATE STUDENTS

MATRICULATES

WALTER ALBERT BAETJER. Baltimore. 2324 *Callow Av.*
University School. *Group III.*

BYRON TREAT BANGHART. Baltimore County. *Howard Park.*
The Deichmann School. *Group IV.*

CARLYLE BARTON. Baltimore County. *Pikesville.*
Boys' Latin School. *Group VI.*

JAMES ALVIN BASS. Baltimore County. *Catonsville.*
The Deichmann School. *Group III.*

BENJAMIN ABRAM BERNSTEIN. Baltimore. 134 *N. Exeter St.*
Baltimore City College, 1902. *Group II.*

WILLIAM EDWIN BIRD, JR. Baltimore. 2013 *E. Chase St.*
Baltimore City College, 1904. *Group III.*

DAVID SIMON BLONDHEIM. Baltimore. 714 *Newington Av.*
Baltimore City College, 1903. *Group VI.*

ARTHUR LEONARD BLOOMFIELD. Baltimore. 861 *Park Av.*
Boys' Latin School. *Group III.*

WILLIAM GRAHAM BOYCE. Baltimore. 217 *E. Preston St.*
The Wolfe School. *Group III.*

STUART BOYER. Baltimore. 1526 *McCulloh St.*
University School. *Group VI.*

HUGH MCCULLOH BRANHAM. Baltimore. 2200 *Eutaw Pl.*
Baltimore City College, 1904. *Group III.*

WALTER STEWART BRAUNS. Baltimore. 1341 *Mt. Royal Av.*
Boys' Latin School. *Group II.*

RIGGIN BUCKLER. Baltimore. 806 *Cathedral St.*
The Deichmann School. *Group II.*

JOHN GEORGE CARL. Baltimore. 1317 *W. Baltimore St.*
The Deichmann School. *Group I.*

JOHN PAGE COLE. Baltimore. 1315 *John St.*
Baltimore City College, 1904. *Group II.*

HENRY THEODORE COLLENBERG. Baltimore. 1810 *E. Baltimore St.*
The Deichmann School. *Group II.*

JOHN FRANCIS CREMEN. Baltimore. 1625 *Druid Hill Av.*
Baltimore City College, 1902. *Group VI.*

WILLIAM EDWIN CURLEY, JR. Baltimore. 573 *Falls Road.*
The Deichmann School. *Group II.*

HORACE HATCH CUSTIS. Washington, D. C. 1714 *N. Charles St.*
Friends' School (D. C.). *Group II.*

BARUCH MORDECAI EDLAVITCH. Baltimore. 1136 *E. Pratt St.*
Baltimore City College. *Group III.*

STANLEY STRAUSS EISEMAN.	Baltimore.	1615 *Eutaw Pl.*
University School. *Group III.*		
WALTER DAVID EISEMAN.	Baltimore.	1804 *Eutaw Pl.*
University School. *Group VI.*		
DANIEL ELLISON.	Baltimore.	137 *S. Bond St.*
Baltimore City College, 1904. *Group II.*		
ALBERT JOSEPH FLEISCHMANN.	Baltimore.	1508 *Bolton St.*
Baltimore City College, 1904. *Group VI.*		
RAYMOND FREAS.	Baltimore.	2114 *E. Baltimore St.*
Baltimore City College, 1904. *Group II.*		
HENRY FINDLAY FRENCH.	Baltimore.	1016 *Cathedral St.*
Baltimore Country School. *Group VII.*		
VICTOR MAX FREY.	York, Pa.	2129 *Maryland Av.*
York High School. *Group II.*		
WALLIS GIFFEN.	Baltimore.	1004 *N. Charles St.*
Boys' Latin School. *Group VI.*		
WILLIAM RICKERT GLEN.	Baltimore.	2518 *Pennsylvania Av.*
Baltimore City College, 1904. *Group VI.*		
LEMAN EDWIN GOLDMAN.	Baltimore.	2246 *Madison Av.*
Baltimore City College, 1902. *Group VI.*		
RUFUS KING GOODENOW.	Baltimore.	1220 *Mt. Royal Av.*
Boys' Latin School. *Group VI.*		
CLARENCE PEMBROKE GOULD.	Baltimore.	508 *E. Twenty-third St.*
Baltimore City College, 1904. *Group VI.*		
ALBERT GRAUER.	Baltimore.	1029 *N. Broadway.*
Baltimore City College, 1904. *Group VI.*		
ALVIN GREIF.	Baltimore.	1710 *Eutaw Pl.*
University School. *Group III.*		
JAMES FULLERTON GRESSITT.	Baltimore.	1120 *Mosher St.*
Baltimore City College, 1903. *Group II.*		
ROBERTSON GRISWOLD.	Baltimore.	1433 *Park Av.*
Boys' Latin School. *Group VI.*		
FREDERICK HOME HACK, JR.	Baltimore.	1211 *St. Paul St.*
University School. *Group VI.*		
HUGH ASBURY HACKETT.	Baltimore.	121 *N. Fremont Av.*
Baltimore City College, 1901. *Group III.*		
ORMOND WILSON HAMMOND, JR.	Baltimore.	1418 *Harlem Av.*
Baltimore City College, 1903. *Group VI.*		
CONRAD HARDECKER.	Baltimore.	2516 *E. Fairmount Av.*
Baltimore City College, 1899. *Group VI.*		
WESTON O'BRIEN HARDING.	Baltimore.	142 *N. Broadway.*
Baltimore City College, 1904. *Group I.*		
HENRY PATTERSON HARRIS.	Baltimore.	511 *Park Av.*
Baltimore Country School. *Group II.*		
JOSEPH STEUART HILL.	Baltimore.	1200 *Madison Av.*
Baltimore City College, 1903. *Group III.*		

UNDERGRADUATE STUDENTS

MATRICULATES

WALTER ALBERT BAETJER. Baltimore. 2324 *Callow Av.*
University School. *Group III.*

BYRON TREAT BANGHART. Baltimore County. *Howard Park.*
The Deichmann School. *Group IV.*

CARLYLE BARTON. Baltimore County. *Pikesville.*
Boys' Latin School. *Group VI.*

JAMES ALVIN BASS. Baltimore County. *Catonsville.*
The Deichmann School. *Group III.*

BENJAMIN ABRAM BERNSTEIN. Baltimore. 134 *N. Exeter St.*
Baltimore City College, 1902. *Group II.*

WILLIAM EDWIN BIRD, JR. Baltimore. 2013 *E. Chase St.*
Baltimore City College, 1904. *Group III.*

DAVID SIMON BLONDHEIM. Baltimore. 714 *Newington Av.*
Baltimore City College, 1903. *Group VI.*

ARTHUR LEONARD BLOOMFIELD. Baltimore. 861 *Park Av.*
Boys' Latin School. *Group III.*

WILLIAM GRAHAM BOYCE. Baltimore. 217 *E. Preston St.*
The Wolfe School. *Group III.*

STUART BOYER. Baltimore. 1526 *McCulloh St.*
University School. *Group VI.*

HUGH MCCULLOH BRANHAM. Baltimore. 2200 *Eutaw Pl.*
Baltimore City College, 1904. *Group III.*

WALTER STEWART BRAUNS. Baltimore. 1341 *Mt. Royal Av.*
Boys' Latin School. *Group II.*

RIGGIN BUCKLER. Baltimore. 806 *Cathedral St.*
The Deichmann School. *Group II.*

JOHN GEORGE CARL. Baltimore. 1317 *W. Baltimore St.*
The Deichmann School. *Group I.*

JOHN PAGE COLE. Baltimore. 1315 *John St.*
Baltimore City College, 1904. *Group II.*

HENRY THEODORE COLLENBERG. Baltimore. 1810 *E. Baltimore St.*
The Deichmann School. *Group II.*

JOHN FRANCIS CREMEN. Baltimore. 1625 *Druid Hill Av.*
Baltimore City College, 1902. *Group VI.*

WILLIAM EDWIN CURLEY, JR. Baltimore. 573 *Falls Road.*
The Deichmann School. *Group II.*

HORACE HATCH CUSTIS. Washington, D. C. 1714 *N. Charles St.*
Friends' School (D. C.). *Group II.*

BARUCH MORDECAI EDLAVITCH. Baltimore. 1136 *E. Pratt St.*
Baltimore City College. *Group III.*

JONATHAN EARLE MIFFLIN. Baltimore. 1016 *Madison Av.*
Boys' Latin School. *Group IV.*

FRANCIS MORRIS MILLER. Baltimore. 1202 *N. Calvert St.*
Boys' Latin School. *Group II.*

EDWARD LEYBURN MORELAND. Baltimore County. *McDonogh.*
Boys' Latin School. *Group II.*

EDMOND HARRIS MORSE. Baltimore. *The Cecil, N. Eutaw St.*
Baltimore City College. *Group VII.*

HARMON VAIL MORSE. Baltimore. *The Cecil, N. Eutaw St.*
Baltimore City College, 1902. *Group III.*

ADDIS EMMET MOSELEY. Baltimore. 614 *N. Howard St.*
The Wolfe School. *Group VII.*

WALTER EMIL MYERS. Baltimore. 1321 *W. Franklin St.*
Baltimore City College, 1904. *Group VII.*

THOMAS OWINGS. Baltimore. 26 *E. Lanvale St.*
Warfield School. *Group VII.*

ARTHUR RANKIN PADGETT. Baltimore. 1013 *N. Broadway.*
Baltimore City College, 1904. *Group VI.*

WILLIAM WATTERS PAGON. Baltimore. 937 *St. Paul St.*
University School. *Group II.*

BERNARD MARK PARELHOFF. Baltimore. 205 *S. Central Av.*
Baltimore City College, 1904. *Group II.*

SIFFORD PEARRE. Baltimore. 1601 *Bolton St.*
Boys' Latin School. *Group VI.*

CHARLES FREDERICK PIETSCH. Baltimore. 756 *Reservoir St.*
Baltimore City College, 1904. *Group III.*

NATHAN PUMPHREY PITCHER. Baltimore. 552 *W. Barre St.*
Baltimore City College, 1902. *Group VI.*

WILLIAM PLEET. Baltimore. 1531 *E. Pratt St.*
Baltimore City College, 1904. *Group VI.*

GEORGE PITTS RALEIGH. Baltimore. 2212 *Eutaw Pl.*
Baltimore City College, 1904. *Group VI.*

WILLIAM ANDREW AUGUST REINHARDT. Baltimore. 1339 *Hull St.*
Baltimore City College, 1904. *Group III.*

STANLEY MEADE REYNOLDS. Baltimore. 809 *N. Charles St.*
Baltimore City College, 1904. *Group III.*

LEWIS BAYARD ROBINSON, JR. Baltimore. 306 *E. Twenty-second St.*
Baltimore City College, 1903. *Group V.*

HERMAN FREDERICK ROLKER. Baltimore. 612 *S. Paca St.*
Baltimore City College, 1904. *Group III.*

THOMAS DECOURSEY RUTH. Baltimore. 1726 *St. Paul St.*
Boy's Latin School. *Group I.*

MAURICE ROLAND SCHMIDT. Baltimore. 2906 *Parkwood Av.*
Baltimore City College, 1903. *Group III.*

E. LELAND SHACKELFORD. Ottoman, Va. 219 *Woodlawn R'd, Roland P'k.*
The Deichmann School. *Group VI.*

JOSEPH THEOPHILUS SINGEWALD, JR. Baltimore. 318 *S. Broadway.*
Baltimore City College, 1903. *Group II.*

KARL SINGEWALD. Baltimore. 318 *S. Broadway.*
Baltimore City College, 1904. *Group VI.*

WILLIAM LEONARD SIOUSSAT. Baltimore County. *Lake Roland.*
University School. *Group II.*

EDWARD HINMAN SIRICH. Baltimore. 3011 *Clifton Av.*
Baltimore City College, 1903. *Group III.*

WILLIAM CONWELL SMITH. Baltimore. 1007 *Madison Av.*
Jacob Tome Institute. *Group III.*

HENRY WILLIAM SNYDER. Baltimore. 1515 *N. Caroline St.*
Baltimore City College, 1903. *Group I.*

CARL SAMUEL STERN. Savannah, Ga. 1721 *McCulloh St.*
Savannah Preparatory School. *Group VI.*

WILLIAM RINGGOLD STRAUGHN. Baltimore County. *Towson.*
Baltimore City College, 1902. *Group VI.*

JOHN MORRIS SUPER. Baltimore. 1319 *W. Lanvale St.*
Milton Academy. *Group VII.*

ISAAC CHANDLER WALKER. Portland, Me. 1025 *W. Lanvale St.*
Portland High School. *Group III.*

JOSEPH TODHUNTER WARE. Baltimore. 1930 *Madison Av.*
Baltimore City College, 1904. *Group VII.*

CAROL WIGHT. Orange, N. J. 1205 *McCulloh St.*
Private Instruction. *Group I.*

GUSTAV HERMAN WOLTERECK. Baltimore. 628 *E. Eager St.*
Baltimore City College, 1902. *Group III.*

LAWRENCE COUNSELMAN WROTH. Baltimore. 215 *E. Preston St.*
The Wolfe School. *Group VI.*

ROBERT BAMFORD ZEIGLER. Hagerstown. 1402 *McCulloh St.*
Washington County High School. *Group I.*

EMANUEL GEORGE ZIES. Baltimore. *Athol Terrace.*
Baltimore City College, 1903. *Group III.*

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CANDIDATES FOR MATRICULATION

ALFRED GORDON ARMSTRONG. Baltimore. 1611 *Maryland Av.*
Baltimore City College. *Preliminary Year.*

JOHN MERRYMAN BLACK. Baltimore County. *Cockeysville.*
Lawrenceville School. *Group VI.*

WALTER LIPPS BLANCK. Baltimore. 520 *N. Fulton Av.*
The Deichmann School. *Group V.*

ALLEN STRAFFORD BOWIE. Baltimore. 811 *Hamilton Terr.*
Lawrenceville School. *Group VI.*

OSCAR ELLIS BRANSKY. Baltimore. 2049 *Wilkens Av.*
Baltimore City College, 1904. *Group III.*

HARRY LINGAN CAPLES. Baltimore County. *Cockeysville.*
The Deichmann School. *Group VI.*

THOMAS RODNEY CHAMBERS. Baltimore. 18 *W. Franklin St.*
The Deichmann School. *Group III.*

AMZI BEACH CRANE. Baltimore. 2020 *Mt. Royal Terr.*
Dickinson Preparatory School. *Group VI.*

JOHN ALDEN CRANE. Baltimore County. *Pikesville.*
University School. *Group VII.*

ROMAN RATHBURN CROTHERS. Cecil County. 1005 *McCulloh St.*
Princeton University. *Group III.*

JAMES CURLANDER. Baltimore. 2007 *Eutaw Pl.*
Private Instruction. *Group VI.*

WILLIAM ALEXANDER DICKEY, JR. Baltimore. 603 *Cathedral St.*
Private Instruction. *Group VI.*

LEWIS ALAN DILL. Baltimore. 3102 *Clifton Av.*
The Wolfe School. *Group III.*

CARL MARTIN DIFTLER. Baltimore. 245 *S. Broadway.*
Baltimore City College, 1904. *Group II.*

ERNEST POHL DOETSCH. Baltimore. 733 *W. Lombard St.*
The Deichmann School. *Group III.*

EDMUND DOLEWCZYNSKI. Baltimore. 1741 *Canton Av.*
University of Chicago. *Group V.*

EDWIN JONES FENBY. Baltimore. 1219 *N. Caroline St.*
The Wolfe School. *Group III.*

HIRAM FRIED. Baltimore. 305 *N. Gay St.*
The Deichmann School. *Group III.*

ROGERS HARRISON GALT, JR. Lynchburg, Va. 1616 *St. Paul St.*
Lynchburg High School. *Group V.*

JOHN SLADE GERMAN. Baltimore. 3634 *Falls Road.*
The Deichmann School. *Group I.*

GEORGE MITCHELL GRIFFITH. Baltimore. 603 *Reservoir St.*
Boys' Latin School. *Group VI.*

EDWARD LYELL GUNTS. Baltimore. 1127 *Harlem Av.*
The Deichmann School. *Group III.*

FRANK NEWCOMER HACK. Baltimore. 1211 *St. Paul St.*
University School. *Preliminary Year.*

HENRY STEIN HARTMAN. Baltimore. 2334 *Eutaw Pl.*
The Deichmann School. *Group III.*

HUGH JENKINS HAZLEHURST. Baltimore. 2112 *St. Paul St.*
The Deichmann School. *Group VI.*

MORTON EMANUEL HECHT. Baltimore. 1616 *Eutaw Pl.*
University School. *Preliminary Year.*

ERNEST SINGLETON HENDRY. Washington, D. C. 1719 *McCulloh St.*
Columbia University. *Group II.*

IREDELL WADDELL IGLEHART. Baltimore. 12 *E. Lafayette Av.*
Baltimore Country School. *Group VI.*

JOHN JAMES KINNANE. Springfield, O. 1114 *McCulloh St.*
Georgetown College (D. C.). *Group VI.*

HORACE VERNET LIPS. Baltimore County. *P. O. Station E.*
University School. *Group III.*

EDMUND CALVERT LYNCH. Baltimore. 2645 *N. Charles St.*
Baltimore Polytechnic Institute. *Group III.*

BENJAMIN ARCHIBALD MATTINGLY. La Plata. 925 *McCulloh St.*
Maryland Normal and Preparatory School. *Group III.*

THOMAS WILBUR MEADS. Baltimore County. *Towson.*
Milton Academy. *Group VI.*

FIRMADGE KING NICHOLS. Baltimore. 535 *N. Carrollton Av.*
Boy's Latin School. *Group III.*

ALAN WARREN PEASE. Washington, D. C. 1523 *McCulloh St.*
Wahington High School. *Preliminary Year.*

PETER PECK. Brooklyn, N. Y. 736 *N. Eutaw St.*
Private Instruction. *Preliminary Year.*

LEGRAND WINFIELD PERCE, JR. Baltimore. 1015 *Madison Av.*
Boys' Latin School. *Group VI.*

ISAAC POTTS. Baltimore. 2110 *E. Monument St.*
The Deichmann School. *Group III.*

LIONEL FOSQUE REVELL. Baltimore. 1147 *N. Carey St.*
Boys' Latin School. *Group VI.*

HARRY CHRISTIAN SCHMEISSER. Baltimore. 2401 *Eutaw Pl.*
Friends' School. *Group III.*

WILLIAM HERDMAN SCHWATKA. Baltimore. 1003 *N. Broadway.*
The Deichmann School. *Group VI.*

CHARLES FAGER SHRIVER. York, Pa. 1221 *McCulloh St.*
Pennsylvania College. *Group II.*

WILLIAM KNEPPER SKILLING. Lonaconing. 1721 *McCulloh St.*
Shady Side Academy (Pittsburg). *Group III.*

B. HOLLY SMITH, JR. Baltimore. 1007 *Madison Av.*
Jacob Tome Institute. *Group III.*

JORDAN HERBERT STABLER. Baltimore. 339 *Dolphin St.*
Baltimore Country School. *Group VI.*

GEORGE ADOLPH STEWART. Baltimore. 522 *N. Carey St.*
Baltimore City College, 1904. *Group III.*

SAMUEL COOPER STEWART II. Clearfield, Pa. 700 *N. Carrollton Av.*
The Deichmann School. *Group III.*

WILMER THEODORE STONE. Baltimore County. *Towson.*
Baltimore Polytechnic Institute. *Group VII.*

THOMAS SHENTON STROBHAR. Baltimore. 1411 *Bolton St.*
Williston Seminary (Mass.). *Group III.*

DAVID ELI STROUSE. Baltimore. 1808 *Madison Av.*
University School. *Group III.*

EDMUND JOHN WACHTER. Baltimore. 637 *Columbia Av.*
The Deichmann School. *Group VI.*

HORACE WINFIELD WEBSTER. Baltimore. 15 *N. Chester St.*
The Deichmann School. *Group III.*

WALDO AUGUST WERCKSHAGEN. Baltimore. 258 *W. Biddle St.*
The Deichmann School. *Group III.*

EDWARD HENRY ZIMMERMAN. Johnstown, Pa. 701 *N. Calvert St.*
Johnstown High School. *Group III.*

PAUL HUDSON ZINKHAN. Washington, D. C. *Washington.*
The Deichmann School. *Group III.*

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SPECIAL STUDENTS

MICHAEL SAMUEL APPLESTEIN. Baltimore. 233 *S. Eden St.*
Private Instruction. *Group II.*

SELIGMAN BERNEI AUSTRIAN. Baltimore. 1714 *McCulloh St.*
University School. *Group III.*

NAZARETH S. BARSUMIAN. Aintab, Turkey. 712 *N. Howard St.*
A. B., Central Turkey College, 1901. *Group III.*

JOHN MARSHALL CHEW. Baltimore. 215 *W. Lanvale St.*
Boys' Latin School. *Group II.* (*Deceased October* 23, 1904.)

MILTON STRAUSS ERLANGER. Baltimore. *The Cecil, N. Eutaw St.*
University School. *Group II.*

THOMAS RASIN GODEY. Baltimore. 1704 *N. Calvert St.*
The Hilbert School. *Group VI.*

SELMAN GOLDENBERG. Baltimore. 1736 *McCulloh St.*
University School. *Group III.*

SIDNEY GREENBAUM. Baltimore. 1908 *Eutaw Pl.*
University School. *Group II.*

WALDO HACK. Baltimore. 1211 *St. Paul St.*
University School. *Group VI.*

WILLIAM WEST HOLLAND. Eastville, Va. 1222 *Madison Av.*
University of Virginia. *Chemistry.*

JOHN MALLORY HOLMES. Baltimore. 1622 *Harlem Av.*
Baltimore City College, 1904. *English, Biology, and Hebrew.*

WILLIAM RALPH JONES. Baltimore. 520 *N. Arlington Av.*
The Deichmann School. *Group III.*

WILLIAM D. PINKERTON. Baltimore. *Walbrook.*
Lehigh University. *Group II.*

ERNEST LORRAINE STARR. Petersburg, Va. 906 *McCulloh St.*
Randolph-Macon College. *History and English.*

FREDERICK BEVAN TOUGH. Baltimore. 2311 *N. Charles St.*
The Deichmann School. *Group II.*

JOHANNES KARL ROBERT KONRAD UHLIG. Baltimore. 1520 *Linden Av.*
Gymnasium of St. Thomas, Leipzig. *Chemistry.*

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Attendants on Single Courses

William J. C. Dickey. Baltimore. 2710 *N. Charles St.*
Maryland Institute. *Chemistry.*

Lewis Hay Eichelberger. Baltimore. *Walbrook.*
Baltimore City College, 1904; University of Maryland (Law School). *English and Political Economy.*

George Riggs Gaither, Jr. Baltimore. 602 *Cathedral St.*
Boys' Latin School; University of Maryland (Law School). *Constitutional History.*

Philip Ignatius Heuisler. Baltimore. 1807 *W. Baltimore St.*
Loyola College. *Chemistry.*

William James Holloway. Salisbury. 1018 *W. Lanvale St.*
Salisbury High School; Harvard University Summer School. *Physics.*

Herbert King. Baltimore. 3306 *Evergreen Terrace.*
Baltimore City College, 1904; University of Maryland (Law School). *English and Political Economy.*

Rev. William D. King. Baltimore County. *Perry Hall.*
Private Instruction. *English.*

GOVERNMENT OF THE JOHNS HOPKINS UNIVERSITY

FOR THE YEAR BEGINNING SEPTEMBER 1, 1904

TRUSTEES

The Trustees are the ultimate source of authority in all matters pertaining to the University. They act collectively, through the standing committees named on page 2, and through the President of the University.

PRESIDENT

Ira Remsen

The duties of this office were thus defined by the Trustees, September 14, 1876:

The President of the University is the authorized means of communication between the Board and the various officers of instruction and administration employed in the University; it shall be his duty to consult with the Professors, in respect to the development of their various departments, and the general interests of the University; to determine the appropriate duties of the Associates and Fellows; and to exercise such superintendence over the buildings, apparatus, books, and other property as will insure their protection and appropriate use. In respect to these matters and all others which concern the welfare of the University, he shall consult frequently with the Executive Committee, and he shall attend the meetings of the Board of Trustees. Purchases, alterations, repairs, and other incidental expenses must not be ordered by any of the officers of the University without his previous assent, or the expressed authority of the Board.

By resolution of the Trustees, May 2, 1892, the President of the University was constituted a member *ex officio* of the Board, and also *ex officio* a member of the Executive Committee.

ACADEMIC COUNCIL

Ira Remsen (*Pres.*)	W. H. Welch	Henry Wood
B. L. Gildersleeve	E. H. Griffin (*Sec'y*)	W. B. Clark
Paul Haupt	A. M. Elliott	J. S. Ames

By authority of the Trustees, the Academic Council (now consisting of the President and eight Professors) has met since the organization of the University to guide the various departments of study, to select the Fellows, and to act upon such other matters as may be brought before them.

BOARD OF UNIVERSITY STUDIES

Ira Remsen (*Pres.*)	W. B. Clark	J. M. Vincent
B. L. Gildersleeve	J. S. Ames	C. W. E. Miller
Paul Haupt	Frank Morley	B. J. Vos
W. H. Welch	H. F. Reid	Christopher Johnston
E. H. Griffin	R. W. Wood	C. C. Marden
W. K. Brooks	K. F. Smith	W. W. Willoughby
Maurice Bloomfield	J. M. Baldwin	E. C. Armstrong
A. M. Elliott	G. M. Stratton	Philip Ogden
H. N. Morse	J. H. Hollander	D. S. Johnson
Henry Wood	E. B. Mathews	G. B. Shattuck
W. H. Howell	H. C. Jones	H. L. Wilson
J. W. Bright	E. H. Spieker	J. B. Whitehead
W. Hand Browne	E. A. Andrews	

By request of the Academic Council (October 8, 1883) this Board, consisting of the President, twenty-three Professors, and fourteen Associate Professors, has charge of the arrangements for the instruction of graduate students, and of the examinations for the degree of Doctor of Philosophy.

ADVISORY BOARD OF THE MEDICAL FACULTY

Ira Remsen (*Pres.*)	H. A. Kelly	W. H. Howell (*Dean*)
W. H. Welch	W. K. Brooks	F. P. Mall
William Osler	W. S. Halsted	J. W. Williams
H. M. Hurd	J. J. Abel	

This Board was constituted by resolution of the Trustees (April 3, 1893) "to report to the Trustees from time to time their suggestions, and to prepare and carry forward the proper arrangements for the instruction and graduation of medical students."

BOARD OF MEDICAL STUDIES

Ira Remsen (*Pres.*)	T. C. Gilchrist	Joseph Erlanger
W. H. Welch	H. J. Berkley	W. H. Lewis
William Osler	W. S. Thayer	F. R. Smith
H. M. Hurd	J. M. T. Finney	H. B. Jacobs
H. A. Kelly	R. G. Harrison	Stewart Paton
W. K. Brooks	W. W. Russell	Thomas McCrae
W. S. Halsted	T. S. Cullen	G. L. Hunner
J. J. Abel	R. L. Randolph	Samuel Amberg
W. H. Howell	T. B. Futcher	C. P. Emerson
F. P. Mall	Walter Jones	F. R. Sabin
J. W. Williams	W. G. MacCallum	H. O. Reik
W. D. Booker	J. C. Bloodgood	L. P. Hamburger
J. N. Mackenzie	Harvey Cushing	T. R. Brown
Samuel Theobald	P. M. Dawson	R. I. Cole
H. M. Thomas	H. H. Young	A. S. Lovenhart
J. W. Lord		

This Board was created by resolution of the Trustees, January 6, 1902. It consists of the professors, clinical professors, associate professors, and associates in the medical department, and its functions are especially the consideration of the courses of instruction.

BOARD OF COLLEGIATE ADVISERS

Ira Remsen (*Pres.*)	K. F. Smith	W. J. A. Bliss
E. H. Griffin (*Dean*)	E. H. Spieker (*Sec'y*)	J. H. Hollander
A. M. Elliott	E. A. Andrews	H. L. Wilson
H. N. Morse	J. M. Vincent	J. C. Ballagh
Henry Wood	L. S. Hulburt	J. E. Gilpin
Edward Renouf	B. J. Vos	M. P. Brush
W. Hand Browne	C. C. Marden	C. R. MacInnes
H. E. Greene	E. B. Mathews	C. K. Swartz
J. S. Ames		

By request of the Academic Council (May 13, 1892) the Board of Collegiate Advisers, consisting of the President and of representatives from each of the chief departments of undergraduate study, confers upon

the progress made by the undergraduate and special students, and conducts the examinations for matriculation and for the baccalaureate degree, under the direction of the Academic Council. The other teachers of undergraduates may be called in from time to time to consult.

By resolution of this Board (June 15, 1888) a Standing Committee was appointed to act on all routine matters. The committee now consists of E. H. Griffin, E. Renouf, E. H. Spieker, and C. R. MacInnes.

COMMITTEE ON THE LIBRARY

Ira Remsen (*Pres.*) W. Hand Browne N. Murray (*Sec'y*)
B. L. Gildersleeve

COMMITTEE ON THE GYMNASIUM

Ira Remsen (*Pres.*) H. F. Reid C. R. MacInnes
E. Renouf

ADVISORY BOARD OF THE YOUNG MEN'S CHRISTIAN ASSOCIATION

Ira Remsen (*Pres.*) E. H. Griffin (*Sec'y*) H. L. Wilson
Eugene Levering

OTHER OFFICERS

TREASURER OF THE UNIVERSITY

Charles J. Meyer

REGISTRAR

Thomas R. Ball

SUMMARY

Faculty, 1904–05

President and Professors,	34
Clinical Professors,	7
Associate Professors,	31
Associates,	25
Instructors and Assistants,	49
Lecturers,	22
	168

Students Enrolled, 1904–05

Graduate Students:		
Fellows by Courtesy,	16	
Fellows,	22	
Other Graduate Students in Philosophy,	156	
Candidates for the degree of M. D.,	291	
Physicians attending Special Courses,*	79	
		564
Undergraduates:		
Candidates for the degree of A. B.,	160	
Not candidates for a degree,	23	
		183
		747
Counted twice,		2
Total,		745

* Including 68 entering in 1904 after the issue of the last Register.

GEOGRAPHICAL DISTRIBUTION OF STUDENTS, 1904–05

Maryland (Baltimore, 256)	312	Colorado,	4
Virginia,	42	Louisiana,	4
Pennsylvania,	40	Michigan,	4
New York,	36	Minnesota,	4
North Carolina,	18	Nebraska,	4
California,	17	Utah,	4
Connecticut,	17	Florida,	3
Wisconsin,	17	North Dakota,	3
Maine,	15	Rhode Island,	3
Alabama,	14	Kansas,	2
District of Columbia,	14	New Mexico,	2
Iowa,	14	Arizona,	1
Ohio,	13	Delaware,	1
Illinois,	11	Idaho,	1
Texas,	11	Montana,	1
Georgia,	10	South Dakota,	1
New Jersey,	10	Vermont,	1
Massachusetts,	9	Washington,	1
Indiana,	8		
Kentucky,	8		
Missouri,	7	Canada,	9
New Hampshire,	7	Japan,	2
South Carolina,	7	Turkey,	2
Tennessee,	7	England,	1
Mississippi,	5	France,	1
Oregon,	5	Norway,	1
West Virginia,	5	Russia,	1
Arkansas,	4	Sweden,	1

SUMMARY

Faculty, 1904–05

President and Professors,	34
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GEOGRAPHICAL DISTRIBUTION OF STUDENTS, 1904–05

Maryland (Baltimore, 256)	312	Colorado,	4
Virginia,	42	Louisiana,	4
Pennsylvania,	40	Michigan,	4
New York,	36	Minnesota,	4
North Carolina,	18	Nebraska,	4
California,	17	Utah,	4
Connecticut,	17	Florida,	3
Wisconsin,	17	North Dakota,	3
Maine,	15	Rhode Island,	3
Alabama,	14	Kansas,	2
District of Columbia,	14	New Mexico,	2
Iowa,	14	Arizona,	1
Ohio,	13	Delaware,	1
Illinois,	11	Idaho,	1
Texas,	11	Montana,	1
Georgia,	10	South Dakota,	1
New Jersey,	10	Vermont,	1
Massachusetts,	9	Washington,	1
Indiana,	8		
Kentucky,	8		
Missouri,	7	Canada,	9
New Hampshire,	7	Japan,	2
South Carolina,	7	Turkey,	2
Tennessee,	7	England,	1
Mississippi,	5	France,	1
Oregon,	5	Norway,	1
West Virginia,	5	Russia,	1
Arkansas,	4	Sweden,	1

Western Maryland College,	6	Williams College,	5
Western Pa. Med. Coll.,	1	Wisconsin, University of,	15
Western University of Pa.,	1	Wittenberg College,	1
Westminster College (Pa.),	3	Woman's Coll. of Baltimore,	5
Westminster Coll. (Texas),	1	Woman's Med. Coll. (Chicago),	1
Westminster (Md.) Theol. Sem.,	1	Woodstock College,	2
West Virginia Univ.,	1	Wooster, University of,	1
William & Mary Coll.,	2	Yale University,	27
William Jewell Coll.,	2		

Fellows

ADAM T. BRUCE FELLOWS IN BIOLOGY

The Bruce Fellowship was instituted by a gift of $10,000, made in 1887 by Mrs. Bruce, of New York, to commemorate the name of her son, Adam T. Bruce, Jr., Ph. D., Fellow in Biology, 1883–84, and Instructor, 1886–87.

When the institution is not named, this university is to be understood. The figures in brackets indicate the tenure of the fellowship.

Henry Van Peters Wilson, Ph. D., Prof. of Biology, Univ. of N. C. [1888-89].
Shosaburo Watase, Ph. D., Prof. of Zoology, Univ. of Tokyo. [1889-90].
Thomas Hunt Morgan, Ph. D., Prof. of Experimental Zoology, Columbia Univ. [1890-91]. *Reappointed* 1891, *but resigned.*
Robert Payne Bigelow, Ph. D., Instructor in Biology and Librarian, Mass. Inst. of Technology. [1891-93].
Maynard Mayo Metcalf, Ph. D., Prof. of Biology, Woman's Coll., Balt. [1893]. *Did not enter on the fellowship.*
Ross Granville Harrison, Ph. D., Assoc. Prof. of Anatomy. [1894]. *Did not enter on the fellowship.*
Seitaro Goto, S. D., Prof. of Biology, First High School, Tokyo, Japan. [1894-95].
Henry McElderry Knower, Ph. D., Instructor in Anatomy. [1895-96].
George Lefevre, Ph. D., Prof. of Zoology, Univ. of Missouri. [1895-97].
Franklin Story Conant, Ph. D. [1897]. *Did not enter on the fellowship.*
Duncan Starr Johnson, Ph. D., Assoc. Prof. of Botany. [1897-98.]
Gilman Arthur Drew, Ph. D., Prof. of Biology, Univ. of Maine. [1898]. *Did not enter on the fellowship.*
Caswell Grave, Ph. D., Associate in Zoology. [1899-01].
Lawrence Edmonds Griffin, Ph. D., Prof. of Biology, Missouri Valley College. [1900].
James Edwin Duerden, Ph. D., Instructor in Zoology, Univ. of Mich. [1901-02].
Rheinart Parker Cowles, Ph. D., Asst. in Biology. [1902-04].
David Hilt Tennent, Ph. D., Lecturer in Zoology, Bryn Mawr. [1904.] *Did not enter on the fellowship.*
Otto Charles Glaser, Ph. D. [1904-05].

WILLIAM S. RAYNER FELLOWS IN SEMITIC LANGUAGES

The Rayner Fellowship was founded in 1899 by Mrs. Bertha Rayner Frank and Mr. Albert W. Rayner, of Baltimore, to perpetuate in this university the name of their father, Mr. William S. Rayner, who had made unusual attainments in the Hebrew language and was interested in the promotion of Semitic studies. The gift amounted to $10,000.

When the institution is not named, this university is to be understood. The figures in brackets indicate the tenure of the fellowship.

Karl Josef Grimm, Ph. D., Prof. of German, French, and Hebrew, Ursinus Coll. [1899-01].
Theodore Clinton Foote, Ph. D., Instr. in Biblical Literature. [1901-03].
Gabriel Oussani, A. B., S. T. B., Prof. of Italian, Latin, and Oriental Lang., Catholic Seminary, N. Y. [1903]. *Did not enter on the fellowship.*
William George Seiple, A. B., Graduate Student. [1903-04].
Aaron Ember, Ph. D. [1904-05.]

FELLOWS

Arranged under the date of first appointment. Figures in brackets indicate the tenure of the fellowship, when it was held more than one year. When the institution is not named, this university is to be understood. *Deceased.

1876

Henry Carter Adams, Ph. D., LL. D., Prof. of Political Economy and Finance, Univ. of Michigan; Statistician, Interstate Commerce Commission.—[1876-79.]
*Herbert Baxter Adams, Ph. D., LL. D., Associate, Assoc. Prof., Prof. of American and Institutional History, Professor Emeritus, 1878-01.—[1876-78].
William Keith Brooks, Ph. D., LL. D., Prof. of Zoology. *Did not enter on the fellowship.*
Samuel Fessenden Clarke, Ph. D., Prof. of Natural History, Williams College.—[1876-79].
*Thomas Craig, Ph. D., Instr., Assoc., Assoc. Prof., Prof. of Mathematics, 1879-1900; Editor, *American Journal of Mathematics*, 1894-99.—[1876-79].
Joshua Walker Gore, C. E., Prof. of Natural Philosophy, etc., Univ. of N. C.—[1876-78].
George Bruce Halsted, Ph. D., Prof. of Mathematics, Kenyon College.—[1876-78].
Edward Hart, Ph. D., Prof. of Analytical Chemistry, Lafayette Coll.—[1876-78].
Daniel Webster Hering, C. E., Ph. D., Prof. of Physics, New York Univ.—[1876-78].
Malvern Wells Iles, Ph. D., Consulting Metallurgist, London, England.—[1876-78].
William White Jacques, Ph. D., Lecturer, Mass. Inst. of Tech., 1885-91; Scientific Investigator, Boston.—[1876-79].
Charles Rockwell Lanman, Ph. D., LL. D., Prof. of Sanskrit, Harvard Univ.
David McGregor Means, A. B., Prof. of Political and Mental Science, Middlebury Coll., 1877-80; Atty. at Law, New York.
Harmon Northrup Morse, Ph. D., Prof. of Analytical Chemistry. *Did not enter on the fellowship.*
Walter Hines Page, Professor in Louisville (Ky.) Male High School, 1878-79; Editor, *The World's Work*, N. Y.—[1876-78].
*Peter Porter Poinier, M. E. *Did not enter on the fellowship.*
Erasmus Darwin Preston, C. E., U. S. Coast and Geodetic Survey.—[1876-78].
*Henry Joseph Rice, Sc. D., Prof. of Natural Sciences, Brooklyn High School, 1882-85.—[1876-78].
Josiah Royce, Ph. D., LL. D., Prof. of the History of Philosophy, Harvard.—[1876-78].
Alexander Duncan Savage, B. Litt., New York.—[1876-79].
Ernest Gottlieb Sihler, Ph. D., Prof. of Latin, New York Univ.—[1876-79].
Frederick Boyd Van Vorst, A. B., Atty. at Law, New York.
*John Henry Wheeler, Ph. D., Prof. of Greek, Univ. of Virginia, 1882-87.

1877

Francis Greenleaf Allinson, Ph. D., Prof. of Classical Philology, Brown Univ.—[1877-80].
Fabian Franklin, Ph. D., LL. D., Assistant, Associate, Assoc. Prof., and Prof. of Mathematics, 1879-95; Editor of *The Baltimore News*.—[1877-79].
Lyman Beecher Hall, Ph. D., Prof. of Chemistry, Haverford Coll.—[1877-79].
Allan Marquand, Ph. D., L. H. D., Prof. of Archæology, etc., Princeton.—[1877-80].
Christian Sihler, Ph. D., M. D., Instructor and Acting Prof. of Histology, etc., Western Reserve Univ., 1889-94; Physician, Cleveland, Ohio.—[1877-79].

1878

Maurice Bloomfield, Ph. D., LL. D., Prof. of Sanskrit and Comparative Philology.
Constantine Fahlberg, Ph. D., Chemist, Salbke-Westerhüsen, Germany.—[1878-80].
Edwin Herbert Hall, Ph. D., Prof. of Physics, Harvard Univ.—[1878-80].
Edward Coles Harding, A. M., Prof. of Greek, Univ. of Louisiana, 1879-80; Baltimore.
Rev. Charles Robert Hemphill, D. D., LL. D., Prof. of New Testament Exegesis, Louisville Presbyterian Theol. Sem.; Clergyman, Louisville, Ky.
Isaac Ott, A. M., M. D., Prof. of Physiology, Medico-Chirurgical Coll. of Phila.
Henry Sewall, Ph. D., M. D., Prof. of Physiology, Univ. of Denver.
Washington Irving Stringham, Ph. D., Prof. of Mathematics, Univ. of Cal.—[1878-80].
Charles Ambrose Van Velzer, S. B., Prof. of Mathematics, Univ. of Wis.—[1878-81].
Abram Van Epps Young, Ph. B., Prof. of Chemistry, Northwestern Univ.—[1878-80].

1879

Brown Ayres S. B., LL. D., President of the University of Tennessee.
Louis Bevier, Ph. D., Prof. of Greek, Rutgers Coll.—[1879-81].
William Burney, Ph. D., Prof. of Chemistry, South Carolina Coll.
Edward Mussey Hartwell, Ph. D., M. D., LL. D., Secretary, Dept. of Municipal Statistics, Boston.—[1879-81].

*John Robin McDaniel Irby, Ph. D.
Mitsuru Kuhara, Ph. D., Director, Coll. of Science, Univ. of Kyoto, Japan.—[1879-81].
*Oscar Howard Mitchell, Ph. D., Prof. of Mathematics, Marietta Coll., 1882-89.—[1879-82].
Edward Leamington Nichols, Ph. D., Prof. of Physics, Cornell Univ.
George Frederick Nicolassen, Ph. D., Prof. of Greek and German, Southwestern Presbyterian Univ., Tenn.—[1879-81].
Waldo Selden Pratt, A. B., Mus. D., Prof. of Ecclesiastical Music and Hymnology, Hartford (Conn.) Theol. Sem.
Robert Woodworth Prentiss, M. S., Prof. of Mathematics, etc., Rutgers.—[1879-81].
William Thompson Sedgwick, Ph. D., Prof. of Biology, Mass. Inst. of Tech.; Lecturer, Simmons Coll.; Curator, Lowell Inst., Boston.
*Herman Vorhees, C. E. *Did not enter on the fellowship.*
Charles Otis Whitman, Sc. D., Ph. D., LL. D., Prof. of Zoology, Univ. of Chicago. *Did not enter on the fellowship.*
Edmund Beecher Wilson, Ph. D., LL. D., Prof. of Zoology, Columbia Univ.—[1879-81].

1880

James Wilson Bright, Ph. D., Prof. of English Philology.—[1880-82].
Benjamin Chapman Burt, A. B., Acting Prof. of Philosophy and Pedagogy, Univ. of Colorado, 1894-95.
Robert Dorsey Coale, Ph. D., Prof. of Chemistry and Dean, Med. Dept., Univ. of Md.
Lawrence Bunting Fletcher, Ph. D., Instructor in Physics, Wesleyan Univ., 1882-83.
*Spencer Hedden Freeman, A. B., Prof. of Physics and Astronomy, Adelbert Coll., 1882-86.—[1880-82].
Kakichi Mitsukuri, Ph. D., Prof. of Zoology, Univ. of Tokyo, Japan.
Bernard Francis O'Connor, Ph. D., Instructor and Adjunct Prof. of Romance Lang., Columbia Univ., 1883-91; New York.—[1880-82].
Chase Palmer, Ph. D., Prof. of Chemistry, Central Univ., Ky.—[1880-82].
Herbert Mills Perry, A. B., late Instructor, Cascadilla School, Ithaca.—[1880-82].
William Lee Rowland, S. B., Chemist, Philadelphia. *Did not enter on the fellowship.*
*Andreas Franz Wilhelm Schimper, Ph. D., Prof. of Botany, Univ. of Basle, 1898-1901.
Edward Henry Spieker, Ph. D., Assoc. Prof. of Greek and Latin.—[1880-82].
Morrison Isaac Swift, Ph. D., Instructor in Philosophy, Hobart Coll., 1882-84.—[1880-82].
*Arthur Wilson Wheeler, A. B.

1881

William John Alexander, Ph. D., Prof. of English, Univ. of Toronto.—[1881-83].
Edward Sanford Burgess, Ph. D., Prof. of Natural Science, Normal Coll., N. Y.
William James Comstock, Ph. D., Instructor in Organic Chemistry, Yale Univ.
William Cathcart Day, Ph. D., Prof. of Chemistry, Swarthmore, 1887-1901.—[1881-83].
Henry Herbert Donaldson, Ph. D., Prof. of Comparative Neurology, Univ. of Chicago.—[1881-83].
William Pitt Durfee, Ph. D., Prof. of Mathematics and Dean of the Faculty, Hobart Coll.—[1881-83].
George Stetson Ely, Ph. D., Principal Examiner, U. S. Patent Office.—[1881-83].
Benjamin Ives Gilman, A. M., Curator, Museum of Fine Arts, Boston, Mass.
John Franklin Jameson, Ph. D., LL. D., Prof. of History, Univ. of Chicago.
Charles Herschel Koyl, A. B., Instructor in Physics, Swarthmore, 1887-88; New York.—[1881-83].
Henry Leslie Osborn, Ph. D., Prof. of Biology and Geology, Hamline Univ.
Henry Newlin Stokes, Ph. D., Asst. Prof. of Chemistry, Univ. of Chicago, 1892-94; Chemist, Bureau of Standards, Washington.—[1881-83].
Benjamin Willis Wells, Ph. D., late Prof. of Modern Lang., Univ. of the South; Editor of *The Churchman*, N. Y. *Did not enter on the fellowship.*

1882

*Charles John Bell, A. B., Prof. of Chemistry, Medical Dept., Univ. of Minnesota, 1888-1903. *Did not enter on the fellowship.*
James McKean Cattell, Ph. D., Prof. of Psychology, Columbia Univ.; Editor of *Science.*
Ellery William Davis, Ph. D., Prof. of Mathematics, Univ. of Nebraska.—[1882-84].
David Talbot Day, Ph. D., U. S. Geological Survey, Washington, D. C.—[1882-84].
Alfred Emerson, Ph. D., Assoc. Prof. of Classical Archæology, Cornell Univ., 1891-97; Ithaca, N. Y.—[1882-84].
William Scott Fleming, A. B., Prof. of Greek, Davidson Coll., 1883-85; Wetumpka, Ala.
Arthur Lincoln Frothingham, Jr., Ph. D., Prof. of Ancient History and Archæology, Princeton.—[1882-85].
Henry Root Goodnow, A. B., New York.
Elgin Ralston Lovell Gould, Ph. D., New York.—[1882-84].

FELLOWS

Arranged under the date of first appointment. Figures in brackets indicate the tenure of the fellowship, when it was held more than one year. When the institution is not named, this university is to be understood. *Deceased.

1876

Henry Carter Adams, Ph. D., LL. D., Prof. of Political Economy and Finance, Univ. of Michigan; Statistician, Interstate Commerce Commission.—[1876-79.]
*Herbert Baxter Adams, Ph. D., LL. D., Associate, Assoc. Prof., Prof. of American and Institutional History, Professor Emeritus, 1878-01.—[1876-78].
William Keith Brooks, Ph. D., LL. D., Prof. of Zoology. *Did not enter on the fellowship.*
Samuel Fessenden Clarke, Ph. D., Prof. of Natural History, Williams College.—[1876-79].
*Thomas Craig, Ph. D., Instr., Assoc., Assoc. Prof., Prof. of Mathematics, 1879-1900; Editor, *American Journal of Mathematics*, 1894-99.—[1876-79].
Joshua Walker Gore, C. E., Prof. of Natural Philosophy, etc., Univ. of N. C.—[1876-78].
George Bruce Halsted, Ph. D., Prof. of Mathematics, Kenyon College.—[1876-78].
Edward Hart, Ph. D., Prof. of Analytical Chemistry, Lafayette Coll.—[1876-78].
Daniel Webster Hering, C. E., Ph. D., Prof. of Physics, New York Univ.—[1876-78].
Malvern Wells Iles, Ph. D., Consulting Metallurgist, London, England.—[1876-78].
William White Jacques, Ph. D., Lecturer, Mass. Inst. of Tech., 1885-91; Scientific Investigator, Boston.—[1876-79].
Charles Rockwell Lanman, Ph. D., LL. D., Prof. of Sanskrit, Harvard Univ.
David McGregor Means, A. B., Prof. of Political and Mental Science, Middlebury Coll., 1877-80; Atty. at Law, New York.
Harmon Northrup Morse, Ph. D., Prof. of Analytical Chemistry. *Did not enter on the fellowship.*
Walter Hines Page, Professor in Louisville (Ky.) Male High School, 1878-79; Editor, *The World's Work*, N. Y.—[1876-78].
*Peter Porter Poinier, M. E. *Did not enter on the fellowship.*
Erasmus Darwin Preston, C. E., U. S. Coast and Geodetic Survey.—[1876-78].
*Henry Joseph Rice, Sc. D., Prof. of Natural Sciences, Brooklyn High School, 1882-85.—[1876-78].
Josiah Royce, Ph. D., LL. D., Prof. of the History of Philosophy, Harvard.—[1876-78].
Alexander Duncan Savage, B. Litt., New York.—[1876-79].
Ernest Gottlieb Sihler, Ph. D., Prof. of Latin, New York Univ.—[1876-79].
Frederick Boyd Van Vorst, A. B., Atty. at Law, New York.
*John Henry Wheeler, Ph. D., Prof. of Greek, Univ. of Virginia, 1882-87.

1877

Francis Greenleaf Allinson, Ph. D., Prof. of Classical Philology, Brown Univ.—[1877-80].
Fabian Franklin, Ph. D., LL. D., Assistant, Associate, Assoc. Prof., and Prof. of Mathematics, 1879-95; Editor of *The Baltimore News*.—[1877-79].
Lyman Beecher Hall, Ph. D., Prof. of Chemistry, Haverford Coll.—[1877-79].
Allan Marquand, Ph. D., L. H. D., Prof. of Archæology, etc., Princeton.—[1877-80].
Christian Sihler, Ph. D., M. D., Instructor and Acting Prof. of Histology, etc., Western Reserve Univ., 1889-94; Physician, Cleveland, Ohio.—[1877-79].

1878

Maurice Bloomfield, Ph. D., LL. D., Prof. of Sanskrit and Comparative Philology.
Constantine Fahlberg, Ph. D., Chemist, Salbke-Westerhüsen, Germany.—[1878-80].
Edwin Herbert Hall, Ph. D., Prof. of Physics, Harvard Univ.—[1878-80].
Edward Coles Harding, A. M., Prof. of Greek, Univ. of Louisiana, 1879-80; Baltimore.
Rev. Charles Robert Hemphill, D. D., LL. D., Prof. of New Testament Exegesis, Louisville Presbyterian Theol. Sem.; Clergyman, Louisville, Ky.
Isaac Ott, A. M., M. D., Prof. of Physiology, Medico-Chirurgical Coll. of Phila.
Henry Sewall, Ph. D., M. D., Prof. of Physiology, Univ. of Denver.
Washington Irving Stringham, Ph. D., Prof. of Mathematics, Univ. of Cal.—[1878-80].
Charles Ambrose Van Velzer, S. B., Prof. of Mathematics, Univ. of Wis.—[1878-81].
Abram Van Epps Young, Ph. B., Prof. of Chemistry, Northwestern Univ.—[1878-80].

1879

Brown Ayres S. B., LL. D., President of the University of Tennessee.
Louis Bevier, Ph. D., Prof. of Greek, Rutgers Coll.—[1879-81].
William Burney, Ph. D., Prof. of Chemistry, South Carolina Coll.
Edward Mussey Hartwell, Ph. D., M. D., LL. D., Secretary, Dept. of Municipal Statistics, Boston.—[1879-81].

1886

Edgar Pierce Allen, A. B., Prof. Law Dept. Univ. of Tientsin, China.—[1886-88].
John Pendleton Campbell, Ph. D., Prof. of Biology, Univ. of Georgia.
Henry Clarke, A. B., Classical Instructor, London, England.
Herbert Charles Elmer, Ph. D., Asst. Prof. of Latin, Cornell Univ.
Henry Brayton Gardner, Ph. D., Prof. of Political Economy, Brown Univ.
*Milton Haight, A. B., Prof. of Mathematics, etc., Sapporo Agric. Coll., Japan, 1887-92.
John Leslie Hall, Ph. D., Prof. of English and History, William and Mary Coll.
Charles Willard Hayes, Ph. D., U. S. Geological Survey, Washington.
George Benjamin Hussey, Ph. D., late Prof. of Greek and Latin, Western Maryland Coll.
James Hervey Hyslop, Ph. D., Prof. of Logic and Ethics, Columbia Univ., 1895-1902.
Andrew Cowper Lawson, Ph. D., Prof. of Geology, Univ. of California.
Franklin Paine Mall, M. D., LL. D., Prof. of Anatomy.—[1886-88].
Yujiro Motora, Ph. D., Prof. of Psychology, etc., Univ. of Tokyo, Japan.
Julius Nelson, Ph. D., Prof. of Biology, Rutgers Coll.
William Ridgely Orndorff, Ph. D., Prof. of Organic Chemistry, Cornell.
Daniel Richard Randall, Ph. D., Attorney at Law, Annapolis, Md.
Henry Dallas Thompson, D. Sc., Ph. D., Prof. of Mathematics, Princeton.
Edward Burr Van Vleck, Ph. D., Prof. of Mathematics, Wesleyan Univ.
*Amos Griswold Warner, Ph. D., Prof. of Economics, Stanford Univ., 1893-1900.
John Roaf Wightman, Ph. D., Prof. of Romance Lang., Oberlin Coll.

1887

Joseph Sweetman Ames, Ph. D., Prof. of Physics.
Philip Wheelock Ayres, Ph. D., Director, Summer School, Charity Organization Soc., N. Y.
William Snyder Eichelberger, Ph. D., Prof. of Mathematics, U. S. Navy, Washington.
Henry Rushton Fairclough, Ph. D., Assoc. Prof. of Greek and Latin, Stanford Univ.
Did not enter on the fellowship.
*William Curns Lawrence Gorton, Ph. D., Assoc. Prof. and Prof. of Mathematics and Astronomy, Woman's Coll., Balt., 1888-94.
William Herbert Hobbs, Ph. D., Prof. of Mineralogy, etc., Univ. of Wisconsin.
Joseph Hoeing Kastle, Ph. D., Prof. of Chemistry, Kentucky State Coll.
Felix Lengfeld, Ph. D., late Asst. Prof. Univ. of Chicago; Chemist, San Francisco.
Archibald MacMechan, Ph. D., Prof. of English, Dalhousie Univ.
Herbert William Magoun, Ph. D., late Prof. of Latin, Redfield College, S. Dak.; Cambridge, Mass.
*Thomas McCabe, Ph. D., Assoc. in Romance Lang., Bryn Mawr, 1890-91.
John Leverett Moore, Ph. D., Prof. of Greek and Latin, Vassar Coll.
Augustus Taber Murray, Ph. D., Prof. of Greek, Stanford Univ.
Edmund Clark Sanford, Ph. D., Prof. of Experimental Psychology, Clark Univ.
Charles Lee Smith, Ph. D., Prof. of History, William Jewell Coll., Mo.
Arthur Clarence Wightman, Ph. D., Prof. of Biology and Physics, Randolph-Macon Coll.
Henry Van Peters Wilson, Ph. D., Bruce Fellow, 1888-89; Prof. of Biology, Univ. of North Carolina.

1888

Charles McLean Andrews, Ph. D., Prof. of History, Bryn Mawr.
Frank Wilson Blackmar, Ph. D., Prof. of History and Sociology, Univ. of Kansas.
Charles Augustus Borst, A. B., Assistant in Astronomy, 1889-92.
William Merriam Burton, Ph. D., Superintendent, Standard Oil Co., Whiting, Ind.
Morgan Callaway, Jr., Ph. D., Prof. of English Philology, Univ. of Texas.
Charles Hiram Chapman, Ph. D., Pres., Univ. of Oregon, 1893-99; Woodland, Wash.
Edwin Whitfield Fay, Ph. D., Prof. of Latin and Greek, Univ. of Texas.—[1888-90].
Adam Capen Gill, Ph. D., Asst. Prof. of Mineralogy, Cornell Univ.
Joseph Edward Harry, Ph. D., Prof. of Greek, Univ. of Cincinnati.
James Taft Hatfield, Ph. D., Prof. of German, Northwestern Univ.
*George Allison Hench, Ph. D., Prof. of German, Univ. of Michigan, 1895-99.
Clifton Fremont Hodge, Ph. D., Asst. Prof. of Physiology, Clark Univ.
Cary Talcott Hutchinson, Ph. D., Acting Assoc. Prof. of Electricity, 1898-99; Consulting Engineer, N. Y.
Alvin Frank Linn, Ph. D., Prof. of Chemistry and Mineralogy, Wittenberg Coll., O.
Did not enter on the fellowship.
Thomas Logie, Ph. D., Prof. of Romance Lang., Univ. of Cape Town, S. Africa.
Alfred Edward Thayer, M. D., Instructor in Pathology, etc., Cornell Univ., N. Y.
*James Starr Trueman, A. B., Prof. of Greek and Latin, Allegheny Coll., 1889-92.
Shozaburo Watase, Ph. D., Bruce Fellow, 1889-90; Prof. of Zoology, Univ. of Tokyo.

1889

Rev. Edward Carey Applegarth, Ph. D., M. D., Clergyman, Boston, Mass.
Arthur George Blachstein, A. B., M. D., St. Petersburg, Russia.
Rudolf John Julius de Roode, Jr., Ph. D., Supt., Bureau of Tests, Inter. Paper Co., N.Y.
George Peter Dreyer, Ph. D., Prof. of Physiology, Med. Dept., Univ. of Ill.
Herman Louis Ebeling, Ph. D., Asst. Prof. of Greek, Hamilton Coll.
Charles Jaques Goodwin, Ph. D., Prof. of Greek, Lehigh Univ.
Christopher Johnston, Jr., Ph. D., Assoc. Prof. of Oriental History, etc.—[1889-91].
Hiram Benjamin Loomis, Ph. D., Western Springs, Ill.
John Hanson Thomas McPherson, Ph. D., Prof. of History, Univ. of Georgia.
Thomas Hunt Morgan, Ph. D., Bruce Fellow, 1890; Prof. of Experimental Zoology, Columbia Univ.
Daniel Alexander Murray, Ph. D., Prof. of Mathematics, Dalhousie Univ.
Charles Lane Poor, Ph. D., Prof. of Astronomy, Columbia Univ.
*George Mann Richardson, Ph. D., Prof. of Organic Chemistry, Stanford Univ, 1891-02.
John Cunningham Robertson, Ph. D., Prof. of Greek, St. Stephen's Coll., N. Y.
*Charles Hunter Ross, Ph. D., Prof. of Modern Lang., Alabama Polytech. Inst., 1892-1908.
Joseph Samuel Shefloe, Ph. D., Prof. of Romance Lang. and Librarian, Woman's Coll., Baltimore.
Robert Benson Steele, Ph. D., Adjunct Prof. of Latin, Vanderbilt Univ.
Bert John Vos, Ph. D., Assoc. Prof. of German.—[1889-91].
James Albert Woodburn, Ph. D., Prof. of American History, Indiana Univ.

1890

William Wilson Baden, Ph. D., Prof. of Latin, Univ. of Idaho.—[1890-92].
Robert Payne Bigelow, Ph. D., Bruce Fellow, 1891-93; Instructor in Biology and Librarian, Mass. Inst. of Tech.
Edwin Grant Conklin, Ph. D., Prof. of Zoology, Univ. of Pa.
Rev. William Levering Devries, S. T. B., Ph. D., Clergyman, Washington, D. C.
George Houghton Gilman, A. B., LL. B., Atty. at Law, New York. *Did not enter on the fellowship.*
Thomas Perrin Harrison, Ph. D., Prof. of English, Davidson Coll.
Charles Rollin Keyes, Ph. D., President, New Mexico School of Mines.
Edwin Seelye Lewis, Ph. D., Prof. of Romance Lang., Princeton.
Arthur Stanley Mackenzie, Ph. D., Prof. of Physics, Bryn Mawr.
Henry Parker Manning, Ph. D., Asst. Prof. of Mathematics, Brown Univ.
Wilfred Pirt Mustard, Ph. D., Prof. of Latin, Haverford Coll.
Barker Newhall, Ph. D., Prof. of Greek, Kenyon Coll.
Edward Bennett Rosa, Ph. D., Chief Physicist, Bureau of Standards, Washington.
Charles Edward Saunders, Ph. D., Prof. of Chemistry, Central Univ., Ky., 1891-93; Ottawa, Canada.
Bernard Christian Steiner, LL. B., Ph. D., Librarian, Pratt Library; Associate in History.
John White, Jr., Ph. D., Prof. of Chemistry, Rose Polytechnic Inst.
Westel Woodbury Willoughby, Ph. D., Assoc. Prof. of Political Science.

1891

Edward Ambrose Bechtel, Ph. D., Instr. in Latin, Univ. of Chicago. *Did not enter on the fellowship.*
Julius Blume, Modern Lang. Master, University School, Baltimore, 1892-99.
Albert Bernhardt Faust, Ph. D., Acting Asst. Prof. of German, Cornell Univ.
Simon Flexner, M. D., Director, Rockefeller Inst. for Medical Research, N. Y.
Ulysses Sherman Grant, Ph. D., Prof. of Geology, Northwestern Univ.
William Asbury Harris, Ph. D., Prof. of Greek, Richmond Coll., Va.
Harry Clary Jones, Ph. D., Prof. of Physical Chemistry.
James Lawrence Kellogg, Ph. D., Prof. of Biology, Williams Coll.
Elmer Peter Kohler, Ph. D., Prof. of Chemistry, Bryn Mawr.
*Paul Erasmus Lauer, Ph. D., Asst. Supt. of Schools, Cleveland, O., 1892-93.
David Judson Lingle, Ph. D., Asst. Prof. of Physiology, Univ. of Chicago.
John Hanson Thomas Main, Ph. D., Dean and Prof. of Greek, Iowa Coll.
Frank Jewett Mather, Jr., Ph. D., late Instructor in English, Williams Coll.; Asst. Editor, *The Evening Post*, N. Y.
Michael Andrew Mikkelsen, Ph. D., Montclair, N. J.
John Dyneley Prince, Ph. D., Prof. of Semitic Lang., Columbia.
Brantz Mayer Roszel, Ph. D., Head Master, Sewanee Grammar School, Tenn.
George Owen Squier, Ph. D., Major, U. S. Signal Corps.
Sidney Grant Stacey, Ph. D., Instructor in Latin, Brooklyn High School.
Joseph Moody Willard, A. B., Prof. of Mathematics, Pennsylvania State Coll.

1892

Burleigh Smart Annis, A. B., late Instructor in Mathematics, High School, Hartford, Conn.; Chattanooga, Tenn.
Lewellys Franklin Barker, M. B., Prof. of Anatomy, Univ. of Chicago.
Rev. Melvin Brandow, A. B., Assistant Librarian, 1894-1903; Clergyman, Lancaster, Pa.
Alexander Mitchell Carroll, Ph. D., Prof. of Greek and Latin, George Washington Univ.
Harry Max Ferren, A. B., Instructor in German, Allegheny (Pa.) High School.
David Hull Holmes, Ph. D., Classical Instructor, High School, Brooklyn.
Arthur John Hopkins, Ph. D., Asst. Prof. of Chemistry, Amherst Coll.
Theodore Hough, Ph. D., Assoc. Prof. of Biology, Simmons Coll., Boston.
James Alton James, Ph. D., Prof. of European History, Northwestern Univ.; Albert Shaw Lecturer, 1904-05.
Francis Plaisted King, Ph. D., Asst. Geologist of Georgia, 1893-96.
Emory Bair Lease, Ph. D., Instructor in Latin, College of the City of New York.
*Edward Payson Manning, Ph. D., Instructor in Mathematics, St. Lawrence Univ., 1894-95.
*Louis Emil Menger, Ph. D., Assoc. Prof. and Prof. of Romance Philol., Bryn Mawr, 1897-03.
*Lucius Salisbury Merriam, Ph. D., Instructor in Political Economy, Cornell 1893-94.
Mayo Maynard Metcalf, Ph. D., Bruce Fellow, 1893; Prof. of Biology, Woman's Coll., Baltimore.
*René de Poyen-Bellisle, Ph. D., Instructor in Romance Philol., Chicago, 1894-1900.
Arthur Percy Saunders, Ph. D., Instructor in Chemistry, Hamilton College.
Rev. Daniel Gurden Stevens, Jr., Ph. D., Clergyman, Bryn Mawr, Pa.—[1892-94].
Frederick Tupper, Jr., Ph. D., Prof. of Rhetoric and English Lit., Univ. of Vermont.
Frank Alfred Wolff, Jr., Ph. D., Prof. of Physics, George Washington Univ.; Physicist, Bureau of Standards, Washington.

1893

Thomas Stockham Baker, Ph. D., Prof. of Mod. Lang., Tome Inst.; Lecturer in German.
John Spencer Bassett, Ph. D., Prof. of History, Trinity Coll., N. C.
George Melville Bolling, Ph. D., Assoc. Prof. of Greek & Comp. Philol., Catholic Univ.
Abraham Cohen, Ph. D., Associate in Mathematics.
Ervin Sidney Ferry, S. B., Prof. of Physics, Purdue Univ.
William Francis Gallaway, Ph. D., Princ., Chatham Acad., Savannah, Ga.
Ross Granville Harrison, Ph. D., M. D., Bruce Fellow, 1894; Assoc. Prof. of Anatomy.
Bert Holmes Hite, M. S., Prof. of Agric. Chemistry, West Va. Univ.—[1893-95].
Samuel Verplanck Hoffman, M. E., Morristown, N. J.
Jacob H. Hollander, Ph. D., Prof. of Polit. Economy.
Charles William Leverett Johnson, Ph. D., Instructor in Latin, Princeton, 1900-03.
George Wesley Johnston, Ph. D., Lecturer in Latin, Univ. of Toronto.
George Charles Keidel, Ph. D., Associate in Romance Languages.—[1893-95].
Edward Bennett Mathews, Ph. D., Prof. of Mineralogy and Petrography.
Edwin Fitch Northrup, Ph. D., Assoc. Prof. of Physics, Univ. of Texas, 1896-97; Philadelphia.—[1893-95].
*Alfred William Stratton, Ph. D., Registrar, Univ. of the Punjab, and Prof. of Sanskrit, Oriental Coll., Lahore, India, 1899-02.
Frederick Henry Sykes, Ph. D., Director, Extension Teaching, Columbia Univ.
George Francis Weida, Ph. D., Prof. of Chemistry, Ripon Coll., Wis.

1894

Arthur Fisher Bentley, Ph. D., Chicago.
Samuel Walker Beyer, Ph. D., Assoc. Prof. of Geology, Iowa Agric. Coll.
Clarence Griffin Child, Ph. D., Asst. Editor, Worcester's Dictionary; Asst. Prof. of English, Univ. of Pa.
Frank Hollinger Clutz, Ph. D., Kansas City, Mo.—[1894-96].
Fonger DeHaan, Ph. D., Assoc. Prof. of Spanish, Bryn Mawr. *Did not enter on the fellowship.*
Henry Stewart Gane, Ph. D., U. S. Geological Survey, Washington.
William August Haussmann, Ph. D., Instructor in German, Central High School, Phila.
Reid Hunt, Ph. D., M. D., Pharmacologist, Bureau of Public Health, Washington.—[1894-96].
Thomas Franklin Kane, Ph. D., Pres. and Prof. of Latin, Univ. of Washington.
William Hamilton Kirk, Ph. D., Prof. of Latin, Rutgers Coll.
Henry McElderry Knower, Ph. D., Bruce Fellow, 1895-96; Instructor in Anatomy.
George Lefevre, Ph. D., Bruce Fellow, 1895-97; Prof. of Zoology, Univ. of Missouri.
Caspar Levias, A. B., Prof. of Exegesis and Hebrew Grammar, Hebrew Union Coll., Cincinnati. *Reappointed* 1895, *but resigned.*
William Henry Maltbie, Ph. D., Prof. of Mathematics, Woman's Coll., Baltimore.
Thomas Francis Moran, Ph. D., Prof. of History and Economics, Purdue Univ.
Louis Trenchard More, Ph. D., Prof. of Physics, Univ. of Cincinnati.
James Flack Norris, Ph. D., Prof. of Chemistry, Simmons Coll., Boston.
Herbert Dodge Pease, M. B., Lecturer, Albany Med. School.

1895

Norman Ross Carmichael, A. M., Assoc. Prof. of Physics, School of Mining, Kingston, Ont.
Arthur Douglas Chambers, Ph. D., Chemist, Ashburn, Mo.
*Franklin Story Conant, Ph. D., Bruce Fellow, 1897.
Rev. Eneas Bernard Goodwin, A. B., Prof. of Greek, St. Cyril's Coll., Chicago.
William Jackson Humphreys, Ph. D., Instructor in Physics, Univ. of Va.
Oliver Martin Johnston, Ph. D., Asst. Prof. of Romanic Lang., Stanford Univ.
Gordon Jennings Laing, Ph. D., Asst. Prof. of Latin, Univ. of Chicago.
*Louis Eugene Livingood, M. D., Assistant in Pathology, 1896-98, and Associate, 1898.
Ebenezer Mackay, Ph. D., Prof. of Chemistry and Mineralogy, Dalhousie Univ.
John McLaren McBryde, Jr., Ph. D., Assoc. Prof. of English, Univ. of N. C.
Henry Ludwell Moore, Ph. D., Adjunct Prof. of Economics, Columbia.
Charles William Peppler, Ph. D., Prof. of Greek, Emory Coll., Ga.
Franklin Lafayette Riley, Ph. D., Prof. of History, Univ. of Miss.
Frederick George Gottlob Schmidt, Ph. D., Prof. of Modern Lang., Univ. of Oregon.
John Adams Scott, Ph. D., Asst. Prof. of Greek, Northwestern Univ.
George Otis Smith, Ph. D., U. S. Geological Survey, Washington.
M. Victor Staley, Ph. D., late Prof., Univ. of Washington.
Thomas Hardy Taliaferro, Ph. D., Pres., Florida Agric. Coll., 1901-04; Fellow by Courtesy.
Harry Langford Wilson, Ph. D., LL. D., Assoc. Prof. of Latin. *Did not enter on the fellowship.*

1896

Edward Cooke Armstrong, Ph. D., Associate Prof. of French.
James Morton Callahan, Ph. D., Assoc. Prof. of European Hist., West Va. Univ.
Edward Perkins Carter, M. D., Physician, Cleveland, Ohio.
Hubert Lyman Clark, Ph. D., Prof. of Biology, Olivet Coll.
Noah Ernest Dorsey, Ph. D., Physicist, Bureau of Standards, Washington.
Pelham Edgar, Ph. D., Prof. of Modern Lang., Victoria Univ., Ont.
Edwin Luther Green, Ph. D., Adjunct Prof. of Ancient Lang., S. Carolina Coll.
Arthur Sewall Haggett, Ph. D., Prof. of Greek, Univ. of Washington.
William Edwards Henderson, Ph. D., Asst. Prof. of Anal. Chemistry, Ohio State Univ.
Charles Hoeing, Ph. D., Instructor in Latin and Librarian, Univ. of Rochester.—[1896-98].
Duncan Starr Johnson, Ph. D., Bruce Fellow, 1897-98; Associate Prof. of Botany.
Rev. Paul Henry Land, A. B., Clergyman, Lima, Ohio.
Omera Floyd Long, Ph. D., Asst. Prof. of Latin, Northwestern Univ.
William Tyler Mather, Ph. D., Assoc. Prof. of Physics, Univ. of Texas.
John Frederick Mohler, Ph. D., Prof. of Physics, Dickinson Coll. *Did not enter on the fellowship.*
Jens Anderson Ness, Ph. D., Instr. in Latin, Wittenberg Coll.—[1896-98].
Alexander Pell, Ph. D., Prof. of Mathematics, Univ. of South Dakota.
Cornelius William Prettyman, Ph. D., Prof. of German, Dickinson Coll.
*Charles Dabney Ragland, Ph. D., Prof. of Chemistry, Randolph-Macon Coll., 1896-1900.
Frank Roy Rutter, Ph. D., Dept. of Agriculture, Washington.
George Burbank Shattuck, Ph. D., Assoc. Prof. of Physiographic Geology.

1897

Cleveland Abbe, Jr., Ph. D., U. S. Geol. Survey, Washington.
Charles Hillman Brough, Ph. D., LL. B., Prof. of Philosophy and History, Hillman Coll., Miss.
Pierce Butler, Ph. D., Prof. of History, Tulane Univ.—[1897-99].
Killis Campbell, Ph. D., Instructor in English, Univ. of Texas.
Gilman Arthur Drew, Ph. D., Bruce Fellow, 1898; Prof. of Biology, Univ. of Maine.
Charles Wilson Greene, Ph. D., Prof. of Physiology, Univ. of Missouri.
Karl Joseph Grimm, Ph. D., Rayner Fellow, 1899-01; Prof. of German, French, and Hebrew, Ursinus Coll.—[1897-99].
James Graham Hardy, Ph. D., Asst. Prof. of Mathematics, Williams Coll.
William App Jones, Ph. D., Analytical Chemist, New York.
William Kurrelmeyer, Ph. D., Instructor in German.—[1897-99].
Guy Carleton Lee, Ph. D., Instructor in History, 1898-1904; Baltimore.
Charles Elwood Mendenhall, Ph. D., Asst. Prof. of Physics, Univ. of Wisconsin.
Samuel Alfred Mitchell, Ph. D., Tutor in Astronomy, Columbia.
Joseph Longworth Nichols, A. B., M. D., Saranac Lake, N. Y.
William Albert Nitze, Ph. D., Assoc. Prof. of Romance Lang., Amherst.
Daniel Allen Penick, Ph. D., Asst. Prof. of Greek and Latin, Univ. of Texas.
Ebenezer Emmet Reid, Ph. D., Prof. of Chemistry and Physics, Baylor Univ.
William Berney Saffold, Ph. D., Prof. of Latin, Univ. of Alabama. *Did not enter on the fellowship.*
Henry Nevill Sanders, Ph. D., Assoc. Prof. of Greek, Bryn Mawr.
Charles William Waidner, Ph. D., Physicist, Bureau of Standards, Washington.

1892

Burleigh Smart Annis, A. B., late Instructor in Mathematics, High School, Hartford, Conn.; Chattanooga, Tenn.
Lewellys Franklin Barker, M. B., Prof. of Anatomy, Univ. of Chicago.
Rev. Melvin Brandow, A. B., Assistant Librarian, 1894-1903; Clergyman, Lancaster, Pa.
Alexander Mitchell Carroll, Ph. D., Prof. of Greek and Latin, George Washington Univ.
Harry Max Ferren, A. B., Instructor in German, Allegheny (Pa.) High School.
David Hull Holmes, Ph. D., Classical Instructor, High School, Brooklyn.
Arthur John Hopkins, Ph. D., Asst. Prof. of Chemistry, Amherst Coll.
Theodore Hough, Ph. D., Assoc. Prof. of Biology, Simmons Coll., Boston.
James Alton James, Ph. D., Prof. of European History, Northwestern Univ.; Albert Shaw Lecturer, 1904-05.
Francis Plaisted King, Ph. D., Asst. Geologist of Georgia, 1893-96.
Emory Bair Lease, Ph. D., Instructor in Latin, College of the City of New York.
*Edward Payson Manning, Ph. D., Instructor in Mathematics, St. Lawrence Univ., 1894-95.
*Louis Emil Menger, Ph. D., Assoc. Prof. and Prof. of Romance Philol., Bryn Mawr, 1897-03.
*Lucius Salisbury Merriam, Ph. D., Instructor in Political Economy, Cornell 1893-94.
Mayo Maynard Metcalf, Ph. D., Bruce Fellow, 1893; Prof. of Biology, Woman's Coll., Baltimore.
*René de Poyen-Bellisle, Ph. D., Instructor in Romance Philol., Chicago, 1894-1900.
Arthur Percy Saunders, Ph. D., Instructor in Chemistry, Hamilton College.
Rev. Daniel Gurden Stevens, Jr., Ph. D., Clergyman, Bryn Mawr, Pa.—[1892-94].
Frederick Tupper, Jr., Ph. D., Prof. of Rhetoric and English Lit., Univ. of Vermont.
Frank Alfred Wolff, Jr., Ph. D., Prof. of Physics, George Washington Univ.; Physicist, Bureau of Standards, Washington.

1893

Thomas Stockham Baker, Ph. D., Prof. of Mod. Lang., Tome Inst.; Lecturer in German.
John Spencer Bassett, Ph. D., Prof. of History, Trinity Coll., N. C.
George Melville Bolling, Ph. D., Assoc. Prof. of Greek & Comp. Philol., Catholic Univ.
Abraham Cohen, Ph. D., Associate in Mathematics.
Ervin Sidney Ferry, S. B., Prof. of Physics, Purdue Univ.
William Francis Gallaway, Ph. D., Princ., Chatham Acad., Savannah, Ga.
Ross Granville Harrison, Ph. D., M. D., Bruce Fellow, 1894; Assoc. Prof. of Anatomy.
Bert Holmes Hite, M. S., Prof. of Agric. Chemistry, West Va. Univ.—[1893-95].
Samuel Verplanck Hoffman, M. E., Morristown, N. J.
Jacob H. Hollander, Ph. D., Prof. of Polit. Economy.
Charles William Leverett Johnson, Ph. D., Instructor in Latin, Princeton, 1900-03.
George Wesley Johnston, Ph. D., Lecturer in Latin, Univ. of Toronto.
George Charles Keidel, Ph. D., Associate in Romance Languages.—[1893-95].
Edward Bennett Mathews, Ph. D., Prof. of Mineralogy and Petrography.
Edwin Fitch Northrup, Ph. D., Assoc. Prof. of Physics, Univ. of Texas, 1896-97; Philadelphia.—[1893-95].
Alfred William Stratton, Ph. D., Registrar, Univ. of the Punjab, and Prof. of Sanskrit, Oriental Coll., Lahore, India, 1893-02.
Frederick Henry Sykes, Ph. D., Director, Extension Teaching, Columbia Univ.
George Francis Weida, Ph. D., Prof. of Chemistry, Ripon Coll., Wis.

1894

Arthur Fisher Bentley, Ph. D., Chicago.
Samuel Walker Beyer, Ph. D., Assoc. Prof. of Geology, Iowa Agric. Coll.
Clarence Griffin Child, Ph. D., Asst. Editor, Worcester's Dictionary; Asst. Prof. of English, Univ. of Pa.
Frank Hollinger Clutz, Ph. D., Kansas City, Mo.—[1894-96].
Fonger DeHaan, Ph. D., Assoc. Prof. of Spanish, Bryn Mawr. *Did not enter on the fellowship.*
Henry Stewart Gane, Ph. D., U. S. Geological Survey, Washington.
William August Haussmann, Ph. D., Instructor in German, Central High School, Phila.
Reid Hunt, Ph. D., M. D., Pharmacologist, Bureau of Public Health, Washington.—[1894-96].
Thomas Franklin Kane, Ph. D., Pres. and Prof. of Latin, Univ. of Washington.
William Hamilton Kirk, Ph. D., Prof. of Latin, Rutgers Coll.
Henry McElderry Knower, Ph. D., Bruce Fellow, 1895-96; Instructor in Anatomy.
George Lefevre, Ph. D., Bruce Fellow, 1895-97; Prof. of Zoology, Univ. of Missouri.
Caspar Levias, A. B., Prof. of Exegesis and Hebrew Grammar, Hebrew Union Coll., Cincinnati. *Reappointed 1895, but resigned.*
William Henry Maltbie, Ph. D., Prof. of Mathematics, Woman's Coll., Baltimore.
Thomas Francis Moran, Ph. D., Prof. of History and Economics, Purdue Univ.
Louis Trenchard More, Ph. D., Prof. of Physics, Univ. of Cincinnati.
James Flack Norris, Ph. D., Prof. of Chemistry, Simmons Coll., Boston.
Herbert Dodge Pease, M. B., Lecturer, Albany Med. School.

1901

Francis Marion Austin, A. B., Prof. of Latin, Ill. Wesleyan Univ. *Did not enter on the fellowship.*
LeRoy Carr Barret, Ph. D., Instr. in Latin.—[1901-03].
George Olaf Berg, Ph. D., Acting Prof. of Greek, St. Olaf Coll., Minn., 1903-04.—[1901-03].
Arthur Byron Coble, Ph. D., Instr. in Mathematics.
Rheinart Parker Cowles, Ph. D., Bruce Fellow, 1902-04; Asst. in Biology.
Albert Eugene Curdy, Ph. D., Instructor in French, Yale.
Philip Howard Edwards, Ph. D., Latin Master, Friends' School, Balt.—[1901-03].
James Warner Harry, Ph. D., Baltimore.
Edward Pechin Hyde, A. B., Asst., Bureau of Standards, Washington; Fellow by Courtesy.
Herman Kurrelmeyer, Ph. D., Instructor in German, Mass. Inst. of Technology.
Charles Fowler Lindsay, Ph. D., Research Chemist, Gen. Electric Co., Schenectady.
Robert Edward Loving, A. B., Graduate Student. *Did not enter on the fellowship.*
Louis Wardlaw Miles, Ph. D., German Master, Country School for Boys, Balt.
Benjamin Leroy Miller, Ph. D., Assoc. in Geology, Bryn Mawr.
Gabriel Oussani, A. B., S. T. B., Rayner Fellow, 1903; Prof. of Italian, Latin, and Oriental Lang., Catholic Seminary, N. Y.—[1901-03].
Charles Oscar Paullin, S. B., Washington, D. C. *Did not enter on the fellowship.*
George Ragland, A. B., Prof. of Greek, Baylor Univ., Texas; Fellow by Courtesy, 1904-05. *Did not enter on the fellowship.*
Lee Raney, Ph. D., Asst. Librarian.—[1901-03].
Dorothy M. Reed, M. D., Resident Physician, Babies' Hospital, New York.
Daniel Naylor Shoemaker, Ph. D., Science Instructor, Hartsville Seminary, S. C.
William Stone Weedon, Ph. D., Research Chemist, Chester, Pa.

1902

Elbert Jay Benton, Ph. D., Instr. in History, Western Reserve Univ.
Charles Keyser Edmunds, Ph. D., Prof. of Physics, Christian Coll., Canton, China.
Frederick Hutton Getman, Ph. D., Instr. in Chemistry, N. Y. City Coll.
Yukimasa Hattori, Ph. D.
John Gale Hun, Ph. D., Instr. in Mathematics, Princeton.
Albert Johannsen, Ph. D., U. S. Geological Survey, Washington.
Alfred Allan Kern, A. M., Prof. of English, Millsaps Coll., Miss.
Ernest Gale Martin, Ph. D., Instr. in Anatomy and Physiology, Purdue Univ.
Alfred James Morrison, Ph. D., Brooklyn, N. Y.
Walter Thomson Pierce, A. B., Instr. in Romance Lang., Indiana Univ.
Robert Bruce Roulston, A. B., Fellow by Courtesy.
John Philip Schneider, Ph. D., Prof. of English, Wittenberg Coll.
Arthur Whitmore Smith, Ph. D., Asst. in Physics, Univ. of Mich.
David Hilt Tennent, Ph. D., Bruce Fellow, 1904; Lecturer in Zoology, Bryn Mawr.—[1902-04].
Roy McLean Van Wart, A. B., M. D. C. M., Tulane University.
Kisaburo Yamaguchi, Ph. D., Chemist, Furukawa Central Office of Mines, Tokyo.

1903

Samuel James Allan, M. Sc., Graduate Student in Physics.
James Barnes, Ph. D., Asst. in Physics.
Douglas Labaree Buffum, Ph. D., Instructor in French, Yale Univ.
Walter Buckingham Carver, Ph. D., Prof. of Mathematics, Ursinus Coll.
Howard Waters Doughty, Ph. D., Asst. Chemist, Bureau of Standards, Washington.
Aaron Ember, Ph. D., Rayner Fellow in Semitic Lang.
John Calvin French, A. B., Instr. in English.
August Ernest Guenther, S. B., Asst. in Physiology. *Reappointed* 1904, *but resigned.*
Elliot Snell Hall, Ph. D., Instr. in Chemistry, Univ. of Chicago.
Lee Milton Hollander, A. B., Fellow by Courtesy.
John Porter Hollis, Ph. D., Acting Prof. of History, Southwestern Univ., Texas.
Arthur Isaac Kendall, Ph. D., Bacteriologist, Panama, S. A.
William Kirk, A. B., Fellow by Courtesy.
Wilfred George Leutner, A. B., Instr. in Greek, Adelbert Coll., 1903-04; Fellow by Courtesy. *Did not enter on the fellowship.*
Raymond Durbin Miller, Ph. D., Instr. in English, Univ. of Texas.
Walter Lewis Moll, A. B., Instr. in Greek, Concordia Coll., Ind.
Theodore Leslie Shear, Ph. D., Student of Archaeology, Athens, Greece.
Charles Kephart Swartz, Ph. D., Instr. in Geology and Paleontology.
Boyd Ashby Wise, A. M., Fellow in Latin.—[1903-05].
James Martin Wright, Ph. D., Nassau, Bahama Islands.

The list of the present holders of fellowships is given on page 19.
The whole number appointed in twenty-eight years is 499.

Degrees Conferred, 1878–1905

Doctor of Laws (Honorary)

1881

Rutherford B. Hayes, President of the United States.

1902

Edwin Anderson Alderman, President of Tulane University.
James Burrill Angell, President of the University of Michigan.
John Shaw Billings, Director of the New York Public Library.
Nicholas Murray Butler, President of Columbia University.
Charles William Dabney, President of the University of Tennessee.
Charles William Eliot, President of Harvard University.
Arthur Twining Hadley, President of Yale University.
Granville Stanley Hall, President of Clark University.
William Rainey Harper, President of the University of Chicago.
John Franklin Jameson, Professor of History in the University of Chicago.
David Starr Jordan, President of Leland Stanford Junior University.
James Loudon, President of the University of Toronto.
John William Mallet, Professor of Chemistry in the University of Virginia.
Simon Newcomb, Professor of Mathematics, United States Navy.
Francis Landey Patton, President of Princeton University.
William Peterson, Principal of McGill University.
Henry Smith Pritchett, President of the Massachusetts Institute of Technology.
Josiah Royce, Professor of the History of Philosophy in Harvard University.
James Schouler, Professor in Boston University.
Charles Doolittle Walcott, Superintendent of the United States Geological Survey.
Benjamin Ide Wheeler, President of the University of California.
Andrew Dickson White, Ambassador of the United States in Germany.
Edmund Beecher Wilson, Professor of Zoology in Columbia University.
Woodrow Wilson, Professor of Jurisprudence and Politics in Princeton University.

1903

Joseph John Thomson, Cavendish Professor of Experimental Physics in the University of Cambridge.

1905

William Osler, Professor of the Principles and Practice of Medicine in the Johns Hopkins University, Regius Professor (*elect*) in the University of Oxford.

Doctor of Philosophy (Honorary)

1880

Henry Augustus Rowland, Professor of Physics in the Johns Hopkins University.

Doctor of Philosophy

When the institution is not named, this university is to be understood. (F) indicates that the person has held a fellowship here. *—Died.

1878

Henry Carter Adams, (F), A. B., Iowa, 1874; LL. D., Wisconsin, 1904; Instr., 1879-81, Lecturer, 1892-94; Lecturer and Assoc. Prof., Cornell, 1879-87.—Prof. Pol. Econ., Univ. of Mich.; Statistician, Interstate Commerce Commission.

*Thomas Craig, (F), C. E., Lafayette, 1875; U. S. Coast Survey, 1879-81; Instr., Assoc., Assoc. Prof., Prof. Math., 1879-1900; Editor, *American Journal of Mathematics*, 1894-1899. **May* 8, 1900.

Josiah Royce, (F), California (A. B., 1875, Asst. Prof., 1878-82); LL. D., 1902.—Prof. Hist. of Philos., Harvard.

Ernest Gottlieb Sihler, (F), Concordia (Ind.), 1869; Prof., Concordia (Milwaukee), 1891-92.—Prof. Latin, N. Y. Univ. (4)

1879

Maurice Bloomfield, (F), A. M., Furman, 1877; LL. D., Princeton, 1896.—Prof. Sanskrit and Compar. Philol.

Samuel Fessenden Clarke, (F), Ph. B., Yale, 1878; Asst., 1879-81.—Prof. Natural Hist., Williams Coll.

George Bruce Halsted, (F), Princeton (A.B., 1875, Tutor and Instr., 1878-84); Prof., Univ. of Texas, 1884-1903, St. John's, Md., 1903.—Prof. Math., Kenyon Coll., Gambier, O.

Edward Hart, (F), S. B., Lafayette, 1874.—Prof. of Anal. Chem., Lafayette Coll.

William White Jacques, (F), Mass. Inst. Tech., (S. B., 1876, Lecturer, 1885-91).—Scientific Investigator, Boston.

Henry Sewall, (F), S. B., Wesleyan, 1876; Assoc., 1880-82; Mich. (Hon. M. D., 1888, Prof., 1882-89); M. D., Univ. of Colo., 1889.—Prof. Physiol., Univ. of Denver. (6)

1880

Francis Greenleaf Allinson, (F), Haverford (A. B., 1876, Asst. Prof., 1880-82); A. B., Harvard, 1877; Assoc. Prof., Williams, 1892-95.—Prof. Class. Philol., Brown.

Fabian Franklin, (F), Columbian (Ph. B., 1869, LL. D., 1904); Asst., Assoc., Assoc. Prof., Prof. Math., 1879-95.—Editor, *Baltimore News*.

Edwin Herbert Hall, (F), A. B., Bowdoin, 1875; Asst., 1880-81.—Prof. Physics, Harvard.

Allan Marquand, (F), A. B., Princeton, 1874; L. H. D., Hobart, 1888.—Prof. Archæol., etc., Princeton.

Washington Irving Stringham, (F), A. B., Harvard, 1877.—Prof. Math., Univ. of Cal., Berkeley. (5)

1881

Louis Bevier, (F), A. B., Rutgers, 1878.—Prof. Greek, Rutgers.

Robert Dorsey Coale, (F), Asst., 1881-83.—Prof. Chem., and Dean of Med. Faculty, Univ. of Md.

Edward Allen Fay, A. B., Mich., 1862.—Vice-Pres. and Prof. Lang., Gallaudet Coll., D. C.

Lawrence Bunting Fletcher, (F), A. B., Columbia, 1877; Instr. Physics, Wesleyan, 1882-83.

Samuel Garner, A. B., St. John's, 1871; Prof. Mod. Lang., Univ. of Ind., 1881-87, U. S. Naval Acad., 1887-99.—Annapolis.

Edward Mussey Hartwell, (F), Amherst (A. B., 1873, LL. D., 1898); M. D., Miami Med. Coll., 1882; Instr. and Assoc., 1883-91; Director, Phys. Train., Boston Schools, 1891-97.—Sec., Dept. of Munic. Statistics, Boston.

William Thompson Sedgwick, (F), Ph. B., Yale, 1877; Asst. and Assoc., 1880-83.—Prof. Biol., Mass. Inst. Tech.; Curator, Lowell Inst., Boston; Lecturer, Simmons Coll.

Christian Sihler, (F), Concordia (Ind.), 1866; M. D., Mich., 1871; Asst., 1879-80; Instr. and Acting Prof., Western Reserve, 1888-94.—Physician, Cleveland, O.

Edmund Beecher Wilson, (F), Ph. B., Yale, 1878; Asst., 1881-82, LL. D., 1902; Lecturer, Williams, 1883-84; Assoc. Prof. and Prof., Bryn Mawr, 1885-91.—Prof. Zool., Columbia. (9)

1882

James Wilson Bright, (F), A. B., Lafayette, 1877; Instr., Cornell, 1885.—Prof. English Philol.; Assoc. Ed., *Modern Language Notes*.

John Franklin Jameson, (F), Amherst (A. B., 1879, LL. D., 1898); Asst. and Assoc., 1882-88, Lecturer, 1890-91, LL. D., 1902; Prof., Brown, 1888-1901.—Prof. Hist., Univ. of Chicago.

Mitsuru Kuhara, (F), Tokyo (S. B., 1877, Lecturer, 1882-87).—Director, Coll. of Sci. and Eng., Univ. of Kyoto.

Robert Wright Mahon, C. E., Lehigh, 1876; Tutor, Lafayette, 1882-83; Acting Prof. Chem., Rose Polytech., 1888-89.

*Oscar Howard Mitchell, (F), Marietta (A. B., 1875, Prof. Math., 1882-89). **March* 29, 1889.

George Frederick Nicolassen, (F), A. B., Virginia, 1879; Asst. 1881-82.—Prof. Greek and German, Southwestern Presb. Univ., Clarksville, Tenn.

William Albert Noyes, A. B., Iowa, 1879; Instr., Univ. of Minn., 1882-83; Prof. Chem., Univ. of Tenn., 1883-86, Rose Polytech. Inst., 1886-1903.—Chief Chemist, National Bureau of Standards.

Chase Palmer, (F), A. B., 1879; Asst. Mass. Inst. Tech., 1882-83, Tufts Coll., 1887-88; Prof., Mass. Norm. School, Salem, 1883-87, Wabash Coll., 1888-90, Manual Train. School, Louisville, 1895-1901.—Prof. Chem., Central Univ., Danville, Ky.

Edward Henry Spieker, (F), A. B., 1879.—Assoc. Prof. Greek and Latin. (9)

1883

William John Alexander, (F), A. B., London, 1876; Prof., Dalhousie, 1883-89.—Prof. English, Toronto.

William Cathcart Day, (F), A. B., 1880—Prof. Chem., St. John's, 1883-84, Univ. of Nashville, 1884-87, Swarthmore, 1887-1901.—

William Pitt Durfee, (F), A. B., Mich., 1876.—Prof. Math., and Dean, Hobart Coll., Geneva, N. Y.

Kakichi Mitsukuri, (F), Ph. B., Yale, 1879.—Prof. Zool., Univ. of Tokyo.

George Stetson Ely, (F), A. B., Amherst, 1878; Prof. Math., Buchtel, 1883-84.—Principal Examiner, U. S. Patent Office.

Bernard Francis O'Connor, (F), B. ès Lett. Univ. of France, 1874; Instr. and Adj. Prof. Romance Lang., Columbia, 1883-91.—New York. (6)

1884

Herbert William Conn, A. B., Boston Univ., 1881; Asst., 1883-84.—Prof. Biol., Wesleyan, Middletown, Conn.

Ellery William Davis, (F), S. B., Wis., 1879; Prof., Florida Agric., 1884-88, S. C., Univ., 1888-93.—Prof. Math., Univ. of Neb., Lincoln.

David Talbot Day, (F), A. B., 1881.—U. S. Geol. Survey, Washington.

John Dewey, (F), A. B., Univ. of Vt., 1879; Instr. and Prof., Mich., 1884-94, Chicago, 1894-04.—Prof. Philos., Columbia.

*James Reynolds Duggan, (F), A. B., Mercer, 1877; M. D., Jefferson Med. Coll., 1879; Prof. Chem., Wake Forest, 1886-88. *January 10, 1888.

William Henry Howell, (F), A. B., 1881; Mich. (M. D., 1890, Lecturer and Prof., 1889-92); Assoc. Prof., Harvard, 1892-93; LL. D., Trinity, 1901. — Prof. Physiol. and Dean, Med. Faculty.

Hans Carl Günther von Jagemann, (F), Naumburg Gymnas, 1876; Prof., Earlham, 1884-85, Indiana Univ., 1885-89.—Prof. Germanic Philol., Harvard.

Edward Harrison Keiser, (F), S. B., Swarthmore, 1880; Asst., 1884-85; Assoc. Prof. and Prof., Bryn Mawr, 1885-99.—Prof. Chem., Washington Univ., St. Louis.

Arthur Lalanne Kimball, (F), A. B., Princeton, 1881; Assoc. and Assoc. Prof., 1884-91.—Prof. Physics, Amherst.

Henry Leslie Osborn, (F), A. B., Wesleyan, 1878; Prof., Purdue, 1884-87.—Prof. Biol. and Geol., Hamline Univ., St. Paul, Minn.

Charles Albert Perkins, (F), A. B., Williams, 1879; Asst., 1884-87; Assoc., Bryn Mawr, 1887-91; Prof., Hampden Sidney, 1891-92.—Prof. Physics, Univ. of Tenn., Knoxville.

Albert Shaw, A. B., Iowa, 1879; Reader, 1889-90, Lecturer, 1891-92.—Editor, *The Review of Reviews*, New York.

Henry Newlin Stokes, (F), S. B., Haverford, 1879; Asst. Prof. Chem., Chicago, 1893-94.—Asst. Chemist, Bureau of Standards, Washington.

Lewis Webb Wilhelm, (F), A. B., 1880.—Vice-Prin., College Prep. School, Balt.

Arthur Yager, A. B., Georgetown (Ky.), 1878.—Prof. Hist., Georgetown. (15)

1885

Edward Webster Bemis, Amherst (A. B., 1880, Instr., 1885-86); Adj. Prof., Vanderbilt, 1886-92; Assoc. Prof. Polit. Econ., Chicago, 1892-95. — Supt., City Water Works, Cleveland.

Gustav Bissing, (F), A. B., 1882; Examiner, U. S. Patent Office, 1884-97.—Patent Atty., Washington.

Henry Herbert Donaldson, (F), A. B., Yale, 1879; Asst., 1883-84, Instr. and Assoc., 1885-89; Asst. Prof., Clark, 1889-92.—Prof. Neurology, Chicago.

Louis Duncan, U. S. Naval Acad., 1880; Assoc. and Assoc. Prof., 1886-99.—Prof. Elec. Eng., Mass. Inst. Tech.

Homer Winthrop Hillyer, (F), Wis. (S. B., 1882, Instr., 1885-98).—Asst. Prof. Organic Chem., Univ. of Wis.

Frederic Schiller Lee, (F), St. Lawrence Univ. (A. B., 1879, Instr., 1886-87); Assoc., Bryn Mawr, 1887-91. — Prof. Physiol., Columbia.

*Gustav Adolph Liebig, Jr., (F), A. B., 1882, Asst., 1887-90. *February 10, 1897.

James Playfair McMurrich, A. B., Toronto, 1879; Instr., 1884-86; Prof., Haverford, 1886-89; Instr., Clark, 1889-91; Prof., Cincinnati, 1891-94. — Prof. Anatomy, Univ. of Mich.

Albert Gallatin Palmer, (F), A. B., 1882; Asst. and Asst. Prof., Swarthmore, 1885-87.—Norwood, Md.

Harry Fielding Reid, (F), A. B., 1880; Prof., Case School, 1886-94; Assoc. Prof., Chicago, 1895-97.—Prof. Geol. Physics.

Henry Alford Short, Columbia (A. B., 1880, Fellow, 1880-83, Tutor, 1885-88). — New York.

Morrison Isaac Swift, (F), A. B., Williams, 1879; Instr. Philos., Hobart, 1882-84.

Henry Alfred Todd, A. B., Princeton, 1876; Instr. and Assoc., 1883-91; Prof., Stanford, 1891-93.—Prof. Romance Philol., Columbia. (13)

1886

William Shirley Bayley, (F), A. B., 1883; Prof. Mineral. and Geol., Colby, 1888-1904.—U. S. Geol. Survey,

*Adam Todd Bruce, (F), A. B., Princeton, 1881; Instr. Osteol., 1886-87. *February 9, 1887.

Davis Rich Dewey, (F), A. B., Univ. of Vt., 1879; Lecturer, 1895-96.—Prof. Economics, Mass. Inst. Tech.

William Henry Emerson, (F), U. S. Naval Acad., 1880; Prof., S. C. Mil. Acad., 1886-88.—Prof. Chem., Ga. School of Tech., Atlanta.

Joseph Auguste Fontaine, Coll. of Sion, France, 1879; Instr., Univ. of Neb., 1887-89; Prof. Romance Lang., Univ. of Miss., 1889-91, Bryn Mawr, 1891-99.

Elgin Ralston Lovell Gould, (F), A. B., Victoria (Ont.), 1881; Instr., Wash. High School, 1884-87; Reader, 1887-89; Lecturer, Columbia, 1902-03.—New York.

William Penn Holcomb, Swarthmore (B. L., 1878, Prof., Hist., 1886-94).—Charlestown, N. H.

Joseph Jastrow, (F), A. B., Univ. of Pa., 1882.—Prof. Psychol., Univ. of Wis.

George Theophilus Kemp, (F), A. B., 1883; M. D., L. I. Med. Coll., 1891; Demonstr., Univ. of Pa., 1886-87; Assoc. and Assoc. Director, Hoagland Lab., 1888-93.—Prof. Physiol., Univ. of Ill., Champaign.

Charles Herbert Levermore, (F), A. B., Yale, 1879; Instr., Univ. of Cal., 1886-88; Prof. Hist., Mass. Inst. Tech., 1888-93.—President, Adelphi Coll., Brooklyn.

Gonzalez Lodge, (F), A. B., 1883; LL. D., Franklin and Marshall, 1901; Prof., Davidson, 1886-88, Bryn Mawr, 1889-1900.—Prof. Latin and Greek, Teachers Coll., N. Y.

Charles William Emil Miller, (F), A. B., 1882.—Assoc. Prof. Greek.

Henry Barber Nixon, (F), Univ. of N. C., 1878.—Prof. Math., Pa. Coll., Gettysburg.

Charles Skeele Palmer, (F), A. B., Amherst, 1879; Prof. Chem., Univ. of Colo., 1886-1902; Pres., Colo. Sch. of Mines, 1902-03.—Assoc. Ed., *Engineering and Mining Journal*, N. Y.

Burr James Ramage, A. B., Newberry, 1880; late Prof. Common Law, and Dean, Law School, Univ. of the South.—Dept. of Commerce and Labor, Washington.

Shosuke Sato, S. B., Sapporo Agric., 1880.—Director and Prof. of Agric. Economics, Agric. Coll., Sapporo, Japan.

Woodrow Wilson, (F), A. B., Princeton, 1879; LL. D., Wake Forest, 1887, Tulane, 1898; Litt. D., Yale, 1901; Assoc. and Assoc. Prof., Bryn Mawr, 1885-88; Prof., Wesleyan, 1888-90; Lecturer, 1887-1898, LL. D., 1902.—Pres. and Prof. Jurisprudence and Politics, Princeton. (17)

1887

Cyrus Adler, (F), A. B., Univ. of Pa., 1883; Instr. and Assoc., 1887-93.—Librarian, Smithsonian Inst.; Prof. Oriental Hist., George Washington Univ.

Ethan Allen Andrews, (F), Ph. B., Yale, 1881.—Assoc. Prof. Biology.

Rev. Albert Clayton Applegarth, A. B., 1884.—Clergyman, Huntingdon, Pa.

*David Barcroft, (F), Ph. B., Univ. of Cal., 1882. **August* 2, 1894.

Henry Gustav Beyer, M.D., Bellevue Hosp., 1876; M.R.C.S. (London); Director, Phys. Train., U. S. Naval Acad., 1891-95.—Surgeon, U. S. N.

Richard Newman Brackett, A. B., Davidson, 1883; Chemist, Ark. Geol. Survey, 1887-91.—Assoc. Prof. Chem., Clemson Coll., Rock Hill, S. C.

Henry Crew, (F), A. B., Princeton, 1882; Asst., 1887-88; Instr., Haverford, 1888-91.—Prof. Physics, Northwestern Univ., Ill.

Albert E. Egge, (F), A. B., Luther, 1879; Prof., St. Olaf, 1887-92; Instr., Iowa Univ., 1892-96.—Prof. English, Washington Agric. Coll., Pullman.

John Charles Fields, (F), A. B., Toronto, 1884; Prof., Allegheny, 1889-98.—Lecturer, Math., Toronto.

Andrew Fossum, A. B., Luther, 1882.—Prof. Greek, St. Olaf Coll., Northfield, Minn.

Richmond Harding, A. B., Davidson, 1880.—Prof. Greek, Davidson, N. C.

Charles Willard Hayes, (F), A. B., Oberlin, 1883; Lecturer, 1903-04.—U. S. Geol. Survey, Washington.

William Adam Hedrick, A. M., Columbian, 1884.—Instr. Physics, High School, Washington.

Frank Gaylord Hubbard, A. B., Williams, 1880; Instr., Smith Coll., 1887-88, Univ. of Cal., 1888-92.—Prof. English, Univ. of Wis.

George Benjamin Hussey, (F), A. B., Columbia, 1884; Fellow, Princeton, 1888-90; Instr. and Assoc. Prof., Univ. of Neb., 1891-94; Docent, Chicago, 1894-1900; late Asst. Prof. Greek and Latin, Western Maryland Coll.

James Hervey Hyslop, (F), A. B., Wooster, 1877; Instr., Bucknell, 1888-89; Prof. Logic and Ethics, Columbia, 1895-02.

Marion Dexter Learned, (F), A. B., Dickinson, 1880; Instr., Assoc., Assoc. Prof., 1886-95.—Prof. German, Univ. of Pa.

William Ridgely Orndorff, (F), A. B., 1884.—Prof. Organ. Chem., Cornell.

Daniel Richard Randall, (F), A. B., St. John's, 1883.—Atty. at Law, Annapolis.

Frederick Morris Warren, A. B., Amherst, 1880; Instr. and Assoc., 1886-91; Prof., Adelbert, 1891-01.—Prof. Modern Lang., Yale; Lecturer, French Literature. (20)

1888

William Muss Arnolt, (F), B. D., New Brunsw. Theol. Sem., 1882; Instr., 1891-93; Asst. Prof., Univ. of Mich., 1893-94; Instr. and Asst. Prof. Biblical Philol., and Asst. Recorder, Univ. of Chicago, 1893-1903.—Belmont, Mass.

Philip Wheelock Ayres, (F), Ph. B., Cornell, 1884.—Director, Summer School, Charity Organ. Soc., N. Y.

Louis Bell, (F), A. B., Dartmouth, 1884; Prof. Physics, Purdue, 1888-89; Lecturer, Mass. Inst. Tech., 1900-01.—Elec. Engineer, Boston.

Benjamin Lester Bowen, A. B., Rochester, 1881; Prof., Bowdoin, 1888-89.—Prof. Romance Lang., Ohio State Univ., Columbus.

William Henry Burnham, (F), A. B., Harvard, 1882; Instr., 1888-89.—Asst. Prof. Pedagogy, Clark Univ.

Richard Eugene Burton, A. B., Trinity (Conn.), 1883; Lecturer, 1898; Prof., Univ. of Minn., 1898-1902.—Univ. Extension Lecturer, English Lit., Univ. of Chicago; Editor, Boston.

John Pendleton Campbell, (F), A. B., 1885.—Prof. Biology, Univ. of Ga., Athens.

Herbert Charles Elmer, (F), A. B., Cornell, 1883.—Asst. Prof. Latin, Cornell.

Robert Orlando Graham, A. B., Amherst, 1877.—Prof. Chem. and Geol., and Dean, Grad. Dept., Illinois Wesleyan, Bloomington.

Erasmus Haworth, S. B., Kansas Univ., 1881; Prof. Oskaloosa, 1882-92.—Prof. Phys. Geol., Kansas Univ., Lawrence.

Francis Hobart Herrick, A. B., Dartmouth, 1881.—Prof. Biol., Adelbert, Cleveland.

William Herbert Hobbs, (F), S. B., Worcester Polytech., 1883.—Prof. Mineral., etc., Univ. of Wis., Madison.

Joseph Hoeing Kastle, (F), S. B., Ky. State, 1884.—Prof. Chem. Ky. State Coll., Lexington.

Andrew Cowper Lawson, (F), A. B., Toronto, 1883.—Prof. Mineral. and Geol., Univ. of Cal.

Felix Lengfeld, (F), Prof., S. Dak. School of Mines, 1890-91; Instr., Univ. of Cal., 1891-92; Docent, Tutor, Asst. Prof., Chicago, 1892-1901.—Chemist, San Francisco.

Archibald Byron Macallum, A. B., Toronto, 1886.—Assoc. Prof. Physiol., Univ. of Toronto.

John Ernst Matzke, A. B., Hope Coll., 1882; Prof., Bowdoin, 1889-90, Indiana Univ., 1890-91; Assoc., 1891-98.—Prof. Romanic Lang., Stanford.

*Thomas McCabe, (F), A. B., 1886; Instr., Univ. of Mich., 1888-89; Prof., Ind. Univ., 1889-90; Assoc. Romance, Bryn Mawr, 1890-91. **February* 22, 1891.

Yujiro Motora, (F), Doshisha Kyoto, Japan, 1879.—Prof. Psychol., Univ. of Tokyo.

Julius Nelson, (F), S. B., Wis., 1881.—Prof. Biology, Rutgers.

George Thomas White Patrick, (F), A. B., Iowa Univ., 1878; B. D., Yale, 1885.—Prof. Philos., Iowa Univ.

Edmund Clark Sanford, (F), A. B., Cal., 1883; Instr., 1888-89.—Prof. Exper. Psychol., Clark Univ.

Henry Taber, Ph. B., Yale, 1882; Asst., 1888-89.—Asst. Prof. Math., Clark Univ.
*Amos Griswold Warner, (F), Univ. of Neb. (B. L., 1885, Prof., 1889-91); Gen. Sec., Charity Organ. Soc., Balt., 1887-89; Supt. of Charities, D. C., 1891-93; Lecturer, 1892-93; Prof. Econ., Stanford, 1893-1900. **January* 18, 1900.
John Roaf Wightman, (F), A. B., Toronto, 1871; Prof., Iowa Coll., 1889-91; Assoc. Prof., Univ. of Neb., 1891-93.—Prof. Romance Lang., Oberlin.
Henry Van Peters Wilson, (F), A. B., 1883; Bruce Fellow, 1888-89.—Prof. Biol., Univ. of N. C., Chapel Hill.
Thomas Kimber Worthington, A. B., Haverford, 1883; LL. B., Univ. of Md., 1900. (27)

1889

Charles McLean Andrews, (F), A. B., Trinity (Conn.), 1884.—Prof. Hist., Bryn Mawr.
Frank Wilson Blackmar, (F), Ph. B., Univ. of Pacific, 1881.—Prof. Hist., etc., Univ. of Kansas, Lawrence.
Jeffrey Richardson Brackett, A. B., Harvard, 1883; Pres., Supervisors of Charities, Balt., 1900-04; Lecturer, 1897-04.—Assoc. Prof. Theory and Prac. of Philanth. Work, Simmons Coll.; Instr., Harvard; Director, School for Social Workers, Boston.
William Merriam Burton, (F), A. B., Adelbert, 1886.—Supt., Standard Oil Co., Whiting, Ind.
Morgan Callaway, Jr., (F), A. B., Emory (Ga.), 1881; Prof., Southwestern Univ., 1889-90.—Prof. English, Univ. of Texas, Austin.
Alfred Robert Louis Dohme, A. B., 1886.—Chemist, Balt.; Instr. Pharmacy.
*William Curns Lawrence Gorton, (F), A. B., 1886; Assoc. Prof. and Prof. Math., Woman's Coll., Balt., 1888-94. **November* 8, 1894.
Joseph Edward Harry, (F), A. B., 1886; Prof., Georgetown, Ky., 1889-1900.—Prof. Greek, Univ. of Cincinnati.
*George Allison Hench, (F), A. B., Lafayette, 1885; Instr., Asst. Prof., Prof. German, Univ. of Mich., 1890-99. **August* 16, 1899.
Clifton Fremont Hodge, (F), A. B., Ripon, 1882; Instr., Univ. of Wis., 1891-92.—Asst. Prof. Physiol., Clark Univ.
Cary Talcott Hutchinson, (F), Ph. B., Washington Univ., 1886; Acting Assoc. Prof. Electricity, 1897-99.—Consulting Engineer, N. Y.
James Thomas Lees, A. B., Adelbert, 1886.—Prof. Greek, Univ. of Neb., Lincoln.
Archibald MacMechan, (F), A. B., Toronto, 1884.—Prof. English, Dalhousie, Halifax, N. S.
Charles William Moulton, A. B., Univ. of Minn., 1885.—Prof. Chem., Vassar.
Albion Woodbury Small, Colby (A. B., 1876, LL. D., 1900, Prest., 1889-92); Reader, 1888-89.—Prof. Sociol., Chicago.
Charles Lee Smith, (F), S. B., Wake Forest, 1884; Instr., 1889-91; Gen. Sec., Charity Organ. Soc., Balt., 1889-91.—Prof. Hist., William Jewell Coll., Liberty, Mo.
Kirby Flower Smith, A. B., Univ. of Vt., 1884.—Prof. Latin.
Rev. Lemon Leander Uhl, A. B., Wittenberg, 1871.—Boston.
Arthur Clarence Wightman, (F), A. B., Wofford, 1879; Demonstr., 1889-90; Prof., Md. Agric., 1890-91.—Prof. Biol. and Phys., Randolph-Macon, Ashland, Va.
*William Klapp Williams, A. B., 1886. **June* 4, 1897. (20)

1890

Joseph Sweetman Ames, (F), A. B., 1886.—Prof. Physics.
Rev. Edward Carey Applegarth, (F), A. B., 1887; M. D., Phys. and Surg., Balt., 1892.—Clergyman, Boston.
Charles Cotton Blackshear, A. B., Mercer, 1881; Instr., Bryn Mawr, 1890-91.—Prof. Chem., Woman's Coll., Balt.
Charles Hiram Chapman, (F), A. B., 1888; Instr. and Assoc., 1889-92; Prest., Univ. of Oregon, 1893-99.—Woodland, Wash.
Rudolf John Julius De Roode, Jr., (F), S. B., Ky. State Coll., 1885.—Supt., Bureau of Tests, Internat. Paper Co., N. Y.
George Peter Dreyer, (F), A. B., 1887; Demonstr., Assoc., Assoc. Prof., 1890-1900.—Prof. Physiol., Med. Dept., Univ. of Ill., Chicago.
Edwin Whitfield Fay, (F), A. M., Southwestern Presb., 1883; Instr., Mich., 1890-91; Acting Prof., Univ. of Texas, 1892-93; Prof., Washington and Lee, 1893-99.—Prof. Latin, Univ. of Texas, Austin.
Henry Torsey Fernald, S. B., Maine State, 1885; late Prof., Pa. State Coll.—Prof. Entomol., Mass. Agric. Coll., Amherst.
Henry Brayton Gardner, (F), A. B., Brown, 1884.—Prof. Polit. Econ., Brown Univ., Providence.
Charles Jaques Goodwin, (F), A. B., Bowdoin, 1887; Prof., Cornell Coll., 1890-92; Tutor, Wesleyan, 1892-95; Acting Prof., St. Stephen's, N. Y., 1898-99.—Prof. Greek, Lehigh, S. Bethlehem, Pa.
Charles Homer Haskins, A. B., 1887, Instr., 1889-90; Asst. Prof. and Prof., Wisconsin, 1890-1902.—Prof. Hist., Harvard.
James Taft Hatfield, (F), A. B., Northwestern, 1883.—Prof. German, Northwestern Univ., Evanston, Ill.
John Cohn Hemmeter, M. D., Univ. of Md., 1883.—Clin. Prof. Med., Univ. of Md.; Physician, Balt.
Charles Holmes Herty, Univ. of Ga. (Ph. B., 1886, Adj. Prof. Chem., 1894-1902).—Expert, Natl. Bureau of Forestry.
Jesse Herman Holmes, A. B., Univ. of Neb., 1884.—Prof. Hist. of Religion and Philosophy, Swarthmore, Pa.
Rev. Abel Henry Huizinga, (F), A. B., Hope Coll., 1880; Adj. Prof., McCormick Theol. Sem., 1894-96.—Clergyman, Fishkill, N. Y.
Toyokichi Iyenaga, Ph. B., Oberlin, 1887; late Prof. Polit. Sci., Semmo Gakko, Tokyo.—Univ. Extension Lecturer, Univ. of Chicago.
Thomas Logie, (F), A. B., Toronto, 1887; Asst. Prof., Williams, 1890-93; Assoc. Prof., Rutgers, 1893-98.—Prof. Romance Lang., Univ. of Cape Town, Africa.

Woodrow Wilson, (F), A. B., Princeton, 1879; LL. D., Wake Forest, 1887, Tulane, 1898; Litt. D., Yale, 1901; Assoc. and Assoc. Prof., Bryn Mawr, 1885-88; Prof., Wesleyan, 1888-90; Lecturer, 1887-1898, LL. D., 1902.—Pres. and Prof. Jurisprudence and Politics, Princeton. (17)

1887

Cyrus Adler, (F), A. B., Univ. of Pa., 1883; Instr. and Assoc., 1887-93.—Librarian, Smithsonian Inst.; Prof. Oriental Hist., George Washington Univ.

Ethan Allen Andrews, (F), Ph. B., Yale, 1881.—Assoc. Prof. Biology.

Rev. Albert Clayton Applegarth, A. B., 1884.—Clergyman, Huntingdon, Pa.

*David Barcroft, (F), Ph. B., Univ. of Cal., 1882. **August* 2, 1894.

Henry Gustav Beyer, M.D., Bellevue Hosp., 1876; M.R.C.S. (London); Director, Phys. Train., U. S. Naval Acad., 1891-95.—Surgeon, U. S. N.

Richard Newman Brackett, A. B., Davidson, 1883; Chemist, Ark. Geol. Survey, 1887-91.—Assoc. Prof. Chem., Clemson Coll., Rock Hill, S. C.

Henry Crew, (F), A. B., Princeton, 1882; Asst., 1887-88; Instr., Haverford, 1888-91.—Prof. Physics, Northwestern Univ., Ill.

Albert E. Egge, (F), A. B., Luther, 1879; Prof., St. Olaf, 1887-92; Instr., Iowa Univ., 1892-96.—Prof. English, Washington Agric. Coll., Pullman.

John Charles Fields, (F), A. B., Toronto, 1884; Prof., Allegheny, 1889-98.—Lecturer, Math., Toronto.

Andrew Fossum, A. B., Luther, 1882.—Prof. Greek, St. Olaf Coll., Northfield, Minn.

Richmond Harding, A. B., Davidson, 1880.—Prof. Greek, Davidson, N. C.

Charles Willard Hayes, (F), A. B., Oberlin, 1883; Lecturer, 1903-04..—U. S. Geol. Survey, Washington.

William Adam Hedrick, A. M., Columbian, 1884.—Instr. Physics, High School, Washington.

Frank Gaylord Hubbard, A. B., Williams, 1880; Instr., Smith Coll., 1887-88, Univ. of Cal., 1888-92.—Prof. English, Univ. of Wis.

George Benjamin Hussey, (F), A. B., Columbia, 1884; Fellow, Princeton, 1888-90; Instr. and Assoc. Prof., Univ. of Neb., 1891-94; Docent, Chicago, 1894-1900; late Asst. Prof. Greek and Latin, Western Maryland Coll.

James Hervey Hyslop, (F), A. B., Wooster, 1877; Instr., Bucknell, 1888-89; Prof. Logic and Ethics, Columbia, 1895-02.

Marion Dexter Learned, (F), A. B., Dickinson, 1880; Instr., Assoc., Assoc. Prof., 1886-95.—Prof. German, Univ. of Pa.

William Ridgely Orndorff, (F), A. B., 1884.—Prof. Organ. Chem., Cornell.

Daniel Richard Randall, (F), A. B., St. John's, 1883.—Atty. at Law, Annapolis.

Frederick Morris Warren, A. B., Amherst, 1880; Instr. and Assoc., 1886-91; Prof., Adelbert, 1891-01.—Prof. Modern Lang., Yale; Lecturer, French Literature. (20)

1888

William Muss Arnolt, (F), B. D., New Brunsw. Theol. Sem., 1882; Instr., 1891-93; Asst. Prof., Univ. of Mich., 1893-94; Instr. and Asst. Prof. Biblical Philol., and Asst. Recorder, Univ. of Chicago, 1893-1903.—Belmont, Mass.

Philip Wheelock Ayres, (F), Ph. B., Cornell, 1884.—Director, Summer School, Charity Organ. Soc., N. Y.

Louis Bell, (F), A. B., Dartmouth, 1884; Prof. Physics, Purdue, 1888-89; Lecturer, Mass. Inst. Tech., 1900-01.—Elec. Engineer, Boston.

Benjamin Lester Bowen, A. B., Rochester, 1881; Prof., Bowdoin, 1888-89.—Prof. Romance Lang., Ohio State Univ., Columbus.

William Henry Burnham, (F), A. B., Harvard, 1882; Instr., 1888-89.—Asst. Prof. Pedagogy, Clark Univ.

Richard Eugene Burton, A. B., Trinity (Conn.), 1883; Lecturer, 1898; Prof., Univ. of Minn., 1898-1902.—Univ. Extension Lecturer, English Lit., Univ. of Chicago; Editor, Boston.

John Pendleton Campbell, (F), A. B., 1885.—Prof. Biology, Univ. of Ga., Athens.

Herbert Charles Elmer, (F), A. B., Cornell, 1883.—Asst. Prof. Latin, Cornell.

Robert Orlando Graham, A. B., Amherst, 1877.—Prof. Chem. and Geol., and Dean, Grad. Dept., Illinois Wesleyan, Bloomington.

Erasmus Haworth, S. B., Kansas Univ., 1881; Prof. Oskaloosa, 1882-92.—Prof. Phys. Geol., Kansas Univ., Lawrence.

Francis Hobart Herrick, A. B., Dartmouth, 1881.—Prof. Biol., Adelbert, Cleveland.

William Herbert Hobbs, (F), S. B., Worcester Polytech., 1883.—Prof. Mineral., etc., Univ. of Wis., Madison.

Joseph Hoeing Kastle, (F), S. B., Ky. State, 1884.—Prof. Chem. Ky. State Coll., Lexington.

Andrew Cowper Lawson, (F), A. B., Toronto, 1883.—Prof. Mineral. and Geol., Univ. of Cal.

Felix Lengfeld, (F), Prof., S. Dak. School of Mines, 1890-91; Instr., Univ. of Cal., 1891-92; Docent, Tutor, Asst. Prof., Chicago, 1892-1901.—Chemist, San Francisco.

Archibald Byron Macallum, A. B., Toronto, 1886.—Assoc. Prof. Physiol., Univ. of Toronto.

John Ernst Matzke, A. B., Hope Coll., 1882; Prof., Bowdoin, 1889-90, Indiana Univ., 1890-91; Assoc., 1891-93.—Prof. Romanic Lang., Stanford.

*Thomas McCabe, (F), A. B., 1886; Instr., Univ. of Mich., 1888-89; Prof., Ind. Univ., 1889-90; Assoc. Romance, Bryn Mawr, 1890-91. **February* 22, 1891.

Yujiro Motora, (F), Doshisha Kyoto, Japan, 1879.—Prof. Psychol., Univ. of Tokyo.

Julius Nelson, (F), S. B., Wis., 1881.—Prof. Biology, Rutgers.

George Thomas White Patrick, (F), A. B., Iowa Univ., 1878; B. D., Yale, 1885.—Prof. Philos., Iowa Univ.

Edmund Clark Sanford, (F), A. B., Cal., 1883; Instr., 1888-89.—Prof. Exper. Psychol., Clark Univ.

Westel Woodbury Willoughby (F), A. B., 1888; Acting Asst. Prof., Stanford, 1894-95.—Assoc. Prof. Polit. Science.
Arthur Burnham Woodford, Ph. B., Yale, 1881; Instr., Univ. of Pa., 1891-92; late Prof., Coll. of Soc. Econ., New York, and Lecturer, New York Univ.—Instr., High School, New Haven. (28)

1892

Eugene Thomas Allen, A. B., Amherst, 1887; Acting Prof., Univ. of Colo., 1892-93; Asst., Harvard, 1894-95; Prof. Chem., Mo. School of Mines, 1895-01.—U. S. Geol. Survey, Wash.
William Wilson Baden, (F), A. B., 1881; LL. B., Univ. of Md., 1883; Prof., Southwestern Univ., 1892-93, Central (Ky.), 1893-96.—Prof. Greek and Latin, Idaho Univ., Moscow.
Robert Payne Bigelow, (F), S. B., Harvard, 1887; Bruce Fellow, 1891-93.—Instr. Biology, and Librarian, Mass. Inst. Tech.
Edwin Winfield Bowen, A. B., Rand.-Macon, 1887; Asst. Prof., Univ. of Mo., 1892-93.—Prof. Latin, Randolph-Macon, Ashland, Va.
Immanuel Moses Casanowicz.—Aid, Div. of Historic Archæol., U. S. National Museum, Washington.
Starr Willard Cutting, A. B., Williams, 1887.—Prof. German Lit., Chicago.
Rev. William Levering Devries, (F), A. B., 1888; S. T. B., Gen. Theol. Sem., N. Y., 1894.—Clergyman, Washington.
Albert Bernhardt Faust, (F), A. B., 1889, Instr., 1894-96; Assoc. Prof., Wesleyan (Conn.), 1896-1903; Asst. Prof., Univ. of Wis., 1903-04.—Acting Asst. Prof. German, Cornell.
George Wilton Field, Brown Univ. (A. B., 1887, Assoc. Prof., 1893-96); Prof. R. I. Agric. Coll., 1896-1901; Lecturer, Mass. Inst. Tech., 1901-04.—Zoologist, Mass. Board of Fisheries.
Joseph Elliott Gilpin, A. B., 1889.—Assoc. Chemistry.
John Leslie Hall, (F).—Prof. English and Hist., William and Mary Coll., Va.
William Asbury Harris, (F), A. M., Richmond, 1886; Acting Prof., Ripon, 1892-93; Prof., Baylor, 1893-1901.—Prof. Greek, Richmond Coll., Va.
Frederick Clemson Howe, A. B., Allegheny, 1889.—Atty. at Law, Cleveland; Prof., Baldwin Univ., O.
William Isaac Hull, A. B., 1889.—Prof. Hist., Swarthmore, Pa.
Harry Clary Jones, (F), A. B., 1889.—Prof. Phys. Chem.
James Lawrence Kellogg, (F), Olivet (S. B. 1888, Prof., 1892-99),—Prof. Biol., Williams Coll.
Charles Rollin Keyes, (F), S. B., Iowa Univ., 1887; late State Geologist of Missouri.—Prest., New Mexico Sch. of Mines Socorro.
Elmer Peter Kohler, (F), A. B., Muhlenberg, 1886.—Prof. Chem., Bryn Mawr.
*Paul Erasmus Lauer, (F), A. B., Adelbert, 1885; Asst. Supt. of Schools, Cleveland, 1892-93. **February* 20, 1893.
Edwin Seelye Lewis, (F), A. B., Wabash, 1888.—Prof. Romance Lang., Princeton.
David Judson Lingle, (F), S. B., Chicago, 1885.—Asst. Prof. Physiol., Chicago.
Alvin Frank Linn, (F), A. B., Wittenberg, 1884.—Prof. Chem. and Mineral., Wittenberg Coll., Springfield, O.
James Alexander Lyman, A. B., Beloit, 1888; Docent, Chicago, 1892-93.—Instr. Chem., Portland Academy, Oregon.
John Hanson Thomas Main, (F), A. B., Moore's Hill, 1880.—Acting Prest. (1900-02), Prof. Greek, and Dean, Iowa Coll., Grinnell.
Frank Jewett Mather, Jr., (F), Willliams (A. B., 1889, Instr., 1892-1900).—Asst. Ed., *Evening Post*, N. Y.
Michael Andrew Mikkelsen, (F), A. B., Luther, 1886.—Montclair, N. J.
Robert Milton Parks, Jr. A. B., Indiana, 1879; Prof. Furman, 1892-93, Central (Ky.), 1893-1900.—Prof. Chem., Manual Train. School, Louisville.
Charles Lane Poor, (F), S. B., N. Y. City Coll., 1886; Instr., Assoc., Assoc. Prof., 1891-99.—Prof. Astron., Columbia.
John Dyneley Prince, (F), A. B., Columbia, 1888; Prof., N. Y. Univ., 1892-02.—Prof. Semitic Lang., Columbia.
John Cunningham Robertson, (F), A. M., Va., 1885.—Prof. Greek, St. Stephen's Coll., Annandale, N. Y.
*Charles Hunter Ross, (F), S. B., Ala. Agric., 1886; Prof. Mod. Lang., Southwestern Univ., 1890-91, Ala. Polytech., 1892-1900. **February* 23, 1900.
Harry Luman Russell, S. B., Wis., 1888.—Prof. Bacteriol., Univ. of Wis., Madison.
William Amasa Scott, A. B., Rochester, 1886.—Prof. Economic Hist. and Theory, and Director, Course in Commerce, Univ. of Wis., Madison.
Will Bush Shober, A. B., St. John's, 1885.—Instr. Chem., Lehigh.
Martin Bell Stubbs, A. B., Haverford, 1888; Instr. Chem., Ursinus, 1900-01.—U. S. Weather Bureau, New Orleans.
Harry Maas Ullmann, A. B., 1889; Hon. Fellow, Chicago, 1892-93.—Instr. Chem., Lehigh.
Bert John Vos, (F), A. B., Mich., 1888; Instr., Chicago, 1892-93.—Assoc. Prof. German. (37)

1893

Henry Harold Ballard, A. B., 1888; Instr., Rose Polytech., 1893-96.—Student, Teachers Coll., N. Y.
Florence Bascom, S. B., Wis., 1884; Instr., Ohio State Univ., 1893-95.—Assoc. Prof. Geol., Bryn Mawr.
Jasper Luther Beeson, A. B., Univ. of Ala., 1889.—Prof. Chem. and Phys., Ga. Normal and Industrial Coll., Milledgeville.
Alexander Mitchell Carroll, (F), Richmond (A. M., 1888, Prof., 1895-97); Reader, 1898-99.—Prof. Greek and Latin, George Washington Univ.
*Andrew Fuller Craven, LL. B., Chicago, 1880; A. B., Harvard, 1889; Prof. Politics and Econ., Columbian, 1893-04. **March* 2, 1904.

John Bascom Crenshaw, A. M., Rand.-Macon, 1881; Instr., 1893-99; Instr., Balt. City Coll., 1903-04.—Prof. German and French, Ga. Sch. of Tech., Atlanta.

Ulysses Sherman Grant, (F), S. B., Univ. of Minn., 1888.—Prof. Geol., Northwestern Univ., Ill.

David I. Green, A. B., Alfred Univ., 1885. —Supt., Organ. Charities, Hartford, Conn.

William Richard Grey, A. B., Davidson, 1884.—Prof. Latin and French, Davidson, N. C.

George Henry Haynes, A. B., Amherst, 1887.—Prof. Hist. and Polit. Sci., Worcester Polytech. Inst., Mass.

Charles Downer Hazen, A. B., Dartmouth, 1889.—Prof. Hist., Smith Coll., Northampton, Mass.

Frank Irving Herriott, Iowa Coll. (A. B., 1890, late Prof. Economics).—Des Moines, Iowa.

David Hull Holmes, (F), A. B., Iowa Wesleyan, 1885; Acting Prof., Allegheny, 1893-94; Prof. Univ. of Kansas, 1896-97. —Class. Instr., High School, Brooklyn.

Arthur John Hopkins, (F), A. B., Amherst, 1885; Prof., Westminster Coll. (Pa.), 1893-94.—Asst. Prof. Chem., Amherst.

Theodore Hough, (F), A. B., 1886; Instr. and Asst. Prof., Mass. Inst. Tech., 1893-1903.—Assoc. Prof. Biol., Simmons Coll., Boston.

James Alton James, (F), B. L., Wis., 1888; Prof., Cornell Coll., 1893-96.—Prof. European Hist., Northwestern Univ., Ill.; Albert Shaw Lecturer, 1904-05.

Henry Read McIlwaine, A. B., Hampden-Sidney, 1884.—Prof. English and Hist., Hampden-Sidney, Va.

*Louis Emil Menger, (F), A. B., Miss. Coll., 1888; Instr. and Assoc., 1893-97; Assoc. Prof. and Prof. Romance Philol., Bryn Mawr, 1897-1903. **August* 5, 1903.

Colyer Meriwether, A. B., 1886. —Instr. English, etc., Washington High Sch.

*Lucius Salisbury Merriam, (F), S. B., Vanderbilt, 1889; Instr. Pol. Econ., Cornell, 1893. **November* 18, 1893.

Maynard Mayo Metcalf, (F), A. B., Oberlin, 1889; Bruce Fellow, 1893.—Prof. Biol., Woman's Coll., Balt.

Daniel Alexander Murray, (F), A. B., Dalhousie, 1884; Assoc. Prof., New York Univ., 1890-94; Instr., Cornell, 1894-1901. —Prof. Math., Dalhousie, Halifax, N. S.

William Peters Reeves, A. B., 1889; Asst., Union, 1895-97; Prof., Iowa Univ., 1897-1900.—Prof. English, Kenyon Coll., Gambier, O.

Charles Alphonso Smith, A. B., Davidson, 1884; Prof., La. Univ., 1893-02.—Prof. English, Univ. of N. C., Chapel Hill.

George Owen Squier, (F), U. S. Mil. Acad., 1887. — Major, U. S. Signal Corps, San Francisco.

John Nesbit Swan, A. B., Westminster (Pa.), 1886. — Prof. Chem., Monmouth Coll., Ill.

Frederick Tupper, Jr., (F), A. B., Charleston, 1890; Prof., Wells Coll., 1893-94.—Prof. Rhetoric and English Lit., Univ. of Vt., Burlington.

Frank Alfred Wolff, Jr., (F), A. B., 1890.—Prof., George Washington Univ.; Physicist, Bureau of Standards, Wash. (28)

1894

James Nesbit Anderson, A. M., Va., 1887; Prof., Univ. of Oklahoma, 1894-96.—Instr. Latin, Vanderbilt, Nashville, Tenn.

John Spencer Bassett, (F), A. B., Trinity (N. C.), 1888.—Prof. History, Trinity, Durham, N. C.

William Julian Albert Bliss, A. B., Harvard, 1888; Instr., Woman's Coll., Balt., 1894-95.—Collegiate Prof. Physics.

James Douglas Bruce, A. M., Va., 1883; Prof. Centre Coll. (Ky.), 1890-91; Assoc. Prof., Bryn Mawr, 1891-1900.—Prof. English, Univ. of Tenn., Knoxville.

James Dowden Bruner, A. B., Franklin Coll., 1888; Prof. Univ. of Ill., 1893-95; Asst. Prof., Chicago, 1895-98. — Assoc. Prof. Romance Lang., Univ. of N. C., Chapel Hill.

John Emery Bucher, A. C., Lehigh, 1891; Instr., Tufts, 1894-97; Assoc. Prof., R. I. Agric. Coll., 1897-1900. — Assoc. Prof. Organ. Chem., Brown Univ., Providence.

Frank Kenneth Cameron, A. B., 1891; Fellow and Asst., Cornell, 1894-95, 1897-98; Asst. Prof., Catholic Univ., 1895-97.—Chemist, Agric. Dept., Wash.

William Embert Chamberlin, A. B., Oberlin, 1887; Instr., Wabash. Coll., 1894-95. —Analyt. Chemist, N. Y.

Abraham Cohen, (F), A. B., 1891.—Assoc. Mathematics.

Louis Leaming Forman, A. M., Univ. of Pa., 1890.—Instr. Greek, Cornell.

Edward Curtis Franklin, S. B., Univ. of Kan., 1888.—Prof. Phys. Chem., Univ. of Kansas, Lawrence.

Joseph Hendren Gorrell, A. B., Washington and Lee, 1888.—Prof. Modern Lang., Wake Forest Coll., N. C.

George Perry Grimsley, A. B., Ohio State Univ., 1890.—Prof. Geol., Washburn Coll., Topeka, Kan.

Ross Granville Harrison, (F), A. B., 1889; M. D., Bonn, 1899; Bruce Fellow, 1894; Lecturer, Bryn Mawr, 1894-95.—Assoc. Prof. Anatomy.

*Robert Nelson Hartman, A. B., Pa. Coll., 1891; Instr., Tufts Coll., 1896-99; Prof. Chem., Colo. Sch. of Mines, 1899-1903. **May* 8, 1903.

Jacob H. Hollander, (F), A. B., 1891; Treasurer of Porto Rico, 1900-01.—Prof. Polit. Economy.

Lorrain Sherman Hulburt, A. B., Wis., 1883; Prof., Univ. of S. Dak., 1887-91; Fellow, Clark, 1891-92.—Collegiate Prof. Mathematics.

Masanobu Ishizaka, Ph. B., Albion, 1891. —Lecturer, Hist. and Econ., Aoyama-Gaku-In, Tokyo.

Thomas Atkinson Jenkins, A. B., Swarthmore, 1887; Prof. Vanderbilt, 1895-1900, Swarthmore, 1900-01.—Assoc. Prof. French, Chicago.

Christopher Johnston, (F), Va. (B. Litt., 1876, A. B., 1878, A. M., 1879); M. D., Univ. of Md., 1880.—Assoc. Prof. Oriental Hist. and Archæol.

Emory Bair Lease, (F), A. B., Ohio Wesleyan, 1885; Prof. Allegheny, 1894-96; Asst. Prof., Mich., 1896-99; Instr. Wesleyan (Conn.), 1899-1901.—Instr. Latin, N. Y. City. Coll.

Arthur Stanley Mackenzie, (F), A. B., Dalhousie, 1885—Prof. Physics, Bryn Mawr.
*Edward Payson Manning, (F), A. B., Brown, 1889; Instr. Math., St. Lawrence Univ., 1894-95. **February* 15, 1897.
Charles Carroll Marden, A. B., 1889; Instr., Mich., 1890-91.—Assoc. Prof. Spanish.
Edward Bennett Mathews, (F), A. B., Colby, 1891.—Prof. Mineralogy and Petrography.
Philip Randle Moale, A. B., 1899.—Chemist, Asheville, N. C.
Constance Pessels, Univ. of Texas (B. L., 1886, late Instr. in English).—Instr., High School, San Antonio.
Jesse Siddall Reeves, S. B., Amherst, 1891. —Atty. at Law, Richmond, Ind.
Arthur Percy Saunders, (F), A. B., Toronto, 1890; Instr., Wis., 1894-96; Asst., McGill, 1898-99, Cornell, 1899-1900.—Instr. Chem., Hamilton Coll., Clinton, N. Y.
Robert Lincoln Slagle, A. B., Lafayette, 1887.—Prest., S. Dakota Sch. of Mines, Rapid City.
Rev. Daniel Gurden Stevens, Jr., (F), A.B., 1891; B. D., Crozer Theol. Sem., 1897.—Clergyman, Bryn Mawr, Pa.
Frederick Henry Sykes, (F), A. B., Toronto, 1885; Prof. Western Univ. (Ont.), 1895-97; Lecturer, 1900-02.—Director, Extension Teaching, Columbia.
*Milo Scott Walker, Ph. B., Wooster, 1899; late Instr. Chem., McKinley High School, Chicago. **December* 30, 1903.
George Francis Weida, (F), Prof., Blackburn, 1894-96, Baker, 1896-97, Kansas Agric. Coll., 1897-1903.—Prof. Chem., Ripon Coll., Wis. (34)

1895

Rufus Mather Bagg, A. B., Amherst, 1891; Asst., 1895-97; Acting Prof., Colo. Coll., 1898-99.—Prof. Mineral., New Mexico School of Mines, Socorro.
Thomas Stockham Baker, (F), A. B., 1891. —Prof. Mod. Lang., Tome Inst., Port Deposit, Md.; Lecturer, German.
James Curtis Ballagh, A. B., 1894.—Assoc. History.
Daniel Base, A. B., 1891.—Assoc. Prof. Chem., Md. Coll. of Pharmacy, and Coll. of P. and S., Balt.
Henry Marvin Belden, A. B., Trinity (Conn.), 1888.—Asst. Prof. English, Univ. of Missouri, Columbia.
Arthur Fisher Bentley, (F), A. B., 1892.—Chicago.
Samuel Walker Beyer, (F), S. B., Iowa Agric., 1889.—Assoc. Prof. Geol., Iowa Agric. Coll., Ames.
*William Bromwell, A. B., 1888; Instr. Chem., Pratt Inst., Brooklyn, 1896-98. **September* 30, 1898.
Clarence Griffin Child, (F), A. B., Trinity (Conn.), 1886.—Asst. Ed., Worcester's Dictionary; Asst. Prof. English, Univ. of Pa.
Fonger DeHaan, (F), Asst., Instr., Assoc., 1894-97.—Assoc. Prof. Spanish, Bryn Mawr.
Charles Sumner Estes, A. B., Colby, 1884; Prof., Furman, 1896-98.—Instr. Latin, High School, Brooklyn.
Henry Fay, A. B., Lafayette, 1889.—Asst. Prof. Chem., Mass. Inst. Tech.
Henry Stewart Gane, (F), A. B., Amherst, 1891.—U. S. Geol. Survey, Washington.
George William Gray, A. B., 1890.—Chemist, Standard Oil Co., Whiting, Ind.
John Joseph Griffin, A. B., Ottawa Univ., 1881.—Prof. Chem., Catholic Univ., D. C.
William August Haussmann, (F), A. B., 1892.—Instr. German, Central High Sch., Phila.
John Haynes, A. B., Williams, 1888; Prof. Hist., Norwich Free Acad., 1895-99.—Junior Master, High School, Dorchester, Mass.
Samuel Rivers Hendren, A. B., Wash. and Lee, 1892.—Staunton, Va.
Howard Haynes Higbee, A. B., Yale, 1884; Instr., Tufts, 1895-96; Prof. Chem., Hamilton, 1896-1900.—Elec. Engineer, N. Y.
Rockwell Dennis Hunt, Ph. B., Napa Coll., 1890; Prof. Hist., Univ. of the Pacific, 1895-1901.—Princ., High School, San José, Cal.
Joseph Rufus Hunter, A. B., Wake Forest, 1885.—Prof. Chem., Richmond Coll., Va.
George Wesley Johnston, (F), A. B., Toronto, 1886; Acting Asst. Prof., Cornell, 1895-96.—Lecturer, Latin, Univ. of Toronto.
Thomas Franklin Kane, (F), A. B., De Pauw, 1888; Prof., Olivet, 1895-1900.—Prest. and Prof. Latin, Univ. of Wash., Seattle.
William Jay Karslake, S. B., Lafayette, 1891; Instr., Dalhousie, 1895-96.—Prof. Chem., Butler Coll., Indianapolis.
George Charles Keidel, (F), A. B., 1889.—Assoc. Romance Lang.
William Hamilton Kirk, (F), A. B., 1893; Instr., Vanderbilt, 1895-1900.—Prof. Latin, Rutgers, New Brunswick, N. J.
John Holliday Latane, A. B., 1892, Shaw Lecturer, 1898-99; Prof., Randolph-Macon Woman's Coll., 1898-02.—Prof. Hist., Wash. and Lee, Lexington, Va.
Exum Percival Lewis, S. B., Columbian, 1888.—Asst. Prof. Physics, Univ. of Cal.
William Henry Maltbie, (F), A. B., Ohio Wesleyan, 1890.—Prof. Math., Woman's Coll., Balt.
Solomon Reid McKee, A. B., Davidson, 1888; Prof. Ogden Coll., 1895-99.—Prof. Chem., Southwestern Presb., Clarksville, Tenn.
Thomas Francis Moran, (F), A. B., Mich., 1887.—Prof. Hist., etc., Purdue Univ., Lafayette, Ind.
Louis Trenchard More, (F), Ph. B., Wash. Univ., 1892; Instr., Worcester Polytech., 1895-96; Adj. Prof., Univ. of Neb., 1896-1900.—Prof. Physics, Univ. of Cincinnati.
Anthony Moultrie Muckenfuss, A. B., Wofford, 1889; Prof., Millsaps Coll., 1893-02. —Prof. Chem., Univ. of Ark., Fayetteville.
Lyman Churchill Newell, Ph. B., Brown, 1890. — Instr. Chem., Normal School, Lowell, Mass.
James Flack Norris, (F), A. B., 1892; Instr. and Asst. Prof., Mass. Inst. Tech., 1895-04.—Prof. Chem., Simmons Coll., Boston.

Edwin Fitch Northrup, (F), A. B., Amherst, 1891; Assoc. Prof. Physics, Univ. of Texas, 1896-97.—Phila.

Robert Somerville Radford, Va. (B. Ph., 1889, Ph. D., 1891, A. M., 1892); Prof., Washburn, 1897-98; Assoc., Bryn Mawr, 1899-01.—Prof. Latin, Elmira Coll., N. Y.

Renè de Saussure, Ècole Polytech., Paris; Prof. Math., Catholic Univ., 1895-99.—Switzerland.

Thomas Edward Shields, A. M., St. Mary's Sem. (Balt.), 1892; Instr., St. Paul's Sem., Minn., 1895-1902.—Asst. Prof. Physiol. Psychol., Catholic Univ., D. C.

John Archer Silver, A. B., Princeton, 1886. —Prof. Hist., Hobart, Geneva, N. Y.

*Alfred William Stratton, (F), A. B., Toronto, 1887; Asst. and Assoc., Chicago, 1895-99; Registrar, Univ. of the Punjab, and Prof. Sanskrit, Oriental Coll., Lahore, 1899-02. **August* 23, 1902.

William Stuart Symington, Jr., A. B., 1891; Instr. and Assoc. Prof., Stanford, 1893-95; Prof. Romance Lang., Amherst, 1895-1903.—Baltimore.

Masayoshi Takaki, S. B., Syracuse, 1891; late Lecturer, Sociol., Univ. of Tokyo.—Manager, Dai Ishi Ginko, Seoul, Korea.

Robert Richardson Tatnall, S. B., Haverford, 1890; Instr., Univ. of Pa., 1895-01.—Instr., Physics, Northwestern Univ., Evanston, Ill.

Thaddeus Peter Thomas, B. P., Univ. of Tenn., 1885.—Prof. Hist., Woman's Coll., Balt.

James Waddell Tupper, A. B., Dalhousie, 1891; Prof., Western Univ., Ont., 1897-1900; Assoc., Bryn Mawr, 1900-02; Instr. English, Harvard, 1902-04.—Asst. Ed., Worcester's Dictionary, Phila.

William Achenbach Wetzel, A. B., Lafayette, 1891.—Princ., High School, Trenton, N. J. (47)

1896

Benjamin William Arnold, Jr., A. B., Rand.-Macon, 1891; Acting Prof., Emory, 1899-00; Prof., Normal School, Farmville, Va., 1900-02.—Prof. Hist. and Sociol., Rand.-Macon Woman's Coll., Lynchburg, Va.

George Melville Bolling, (F), A. B., Loyola, 1891.—Assoc. Prof. Greek and Compar. Philol., Catholic Univ., D. C.

Ferdinand Bonnotte.—Prof. Modern Lang., Western Md. Coll., Westminster.

Alfred Cookman Bryan, A. B., 1892; Instr., Wash. High School, 1896-1902, Polytech. Prep. Sch., Brooklyn, 1902-05.—Instr. Hist., N. Y. School of Commerce.

Arthur Douglas Chambers, (F), A. B., Toronto, 1892.—Chemist, Ashburn, Mo.

Julian Alvin Carroll Chandler, A. B., Wm. and Mary, 1891; Instr., Woman's Coll. (Richmond), and Prof. Hist. and English, Richmond Coll., 1896-04.—Editor, N. Y.

James Wilkinson Chapman, Jr., A. B., Washington (Md.), 1892; LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.

Henry Scofield Cooley, S. B., New York Univ., 1891.—Instr. Hist., High School, Ogden, Utah.

Henry Rushton Fairclough, (F), Toronto (A. B., 1883, Lecturer, 1887-93).—Prof. Classical Lit., Stanford.

Edson Fessenden Gallaudet, Yale (A. B., 1893, Instr., Physics, 1897-1900).—Engineer, Dayton, O.

William Francis Galloway, (F), A. B., 1891. —Princ., Chatham Acad., Savannah, Ga.

Frederick Stearns Hollis, S. B., Mass. Inst. Tech., 1890.—Instr. Chem., Yale.

Reid Hunt, (F), A. B., 1891, Assoc. and Assoc. Prof., 1898-03; M. D., P. and S., Balt., 1896; Tutor, Columbia, 1896-98.—Pharmacologist, Bureau of Public Health, Wash.

Charles William Leverett Johnson, (F), A. B., 1891; Instr., Yale, 1897-1900, and Princeton, 1900-03.—Baltimore.

Oliver Martin Johnston, (F), A. B., Miss. Coll., 1890; Lecturer, Bryn Mawr, 1896-97.—Asst. Prof. Romanic Lang., Stanford.

Frederick Robertson Jones, Western Md. (A. B., 1892, Instr., 1896-97); Instr. and Asst. Prof., Union, 1897-1902. — Assoc. Economics, Bryn Mawr.

James Pinckney Kinard, S. C. Mil. Acad., 1886. — Prof. English, Winthrop Coll., Rock Hill, S. C.

Henry McElderry Knower, (F), A. B., 1890, Bruce Fellow, 1895-96; Instr., Williams, 1896-97.—Instr. Anatomy; Sec. and Co-Editor, *Amer. Jour. of Anatomy.*

Gordon Jennings Laing, (F), A. B., Toronto, 1891; Fellow, Amer. Sch. of Class. Studies, Rome, 1896-97; Reader and Lecturer, Bryn Mawr, 1897-99.—Asst. Prof. Latin, Chicago.

George Lefevre, (F), A. B., 1891, Bruce Fellow, 1895-97, Asst. 1897-98.—Prof. Zool., Univ. of Mo., Columbia.

Ebenezer Mackay, (F), A. B., Dalhousie, 1886.—Prof. Chem. and Mineral., Dalhousie, Halifax, N. S.

Raphael Monroe McKenzie, S. B., New York Univ., 1890; Instr., Univ. of Cincinnati, 1898-99.—Instr. Chem., Stevens Inst., Hoboken, N. J.

Henry Ludwell Moore, (F), A. B., Rand.-Macon, 1892; Instr., 1896-97; Prof., Smith Coll., 1897-1902.—Adj. Prof. Pol. Econ., Columbia.

Franklin Lafayette Riley, (F), A. B., Miss. Coll., 1889; Pres., Hillman Coll., 1896-97. —Prof. Hist., Univ. of Miss.

Brantz Mayer Roszel, (F), A. B., 1889; Instr., Physics, Wash. High School, 1896-1903. — Head Master, Sewanee Gram. School, Tenn.

Herbert Armistead Sayre, B. E., Univ. of Ala., 1893; Prof., Ursinus Coll., 1896-98. —Prof., Physics, Univ. of Ala.

Frederick George Gottlob Schmidt, (F), Acting Prof., Cornell Coll., 1896-97.—Prof. Mod. Lang., Univ. of Oregon, Eugene.

Thomas Stanley Simonds, A. B., Harvard, 1884; Prof., Hobart, 1897-99, Trinity, Conn., 1899-1901; Instr., Univ. of Cal., 1901-02.—New York.

George Otis Smith, (F), A. B., Colby, 1893. —U. S. Geol. Survey, Washington.

Michael Druck Sohon, Lehigh (A. C., 1890, M. S., 1894, Instr., 1896-97); late Instr. Chem., High School, N. Y.

Francis Edgar Sparks, A. B., 1893.—Atty. at Law, Balt.

Frederic William Speirs, S. B., Worcester Polytech., 1888; Prof., Drexel, 1898-98;

late Prof., Manual Train. School, Phila.; Lecturer, Swarthmore, 1903-04.— Managing Ed., *Booklovers' Magazine.*

Arthur Coe Spencer, S. B., Case School, 1892.—U. S. Geol. Survey, Wash.

Thomas Hardy Taliaferro, (F), C. E., Va. Mil. Inst., 1890; Instr. Math., Pa. State Coll., 1896-1901; Prest., Univ. of Fla., 1901-04.—Fellow by Courtesy.

John Thorne, A. B., Denison, 1885.—Baltimore.

Harry Langford Wilson, (F), Queen's, Ont. (A. B., 1887, LL. D., 1903).—Assoc. Prof. Latin. (36)

1897

Gellert Alleman, S. B., Pa. Coll., 1893; Instr., Univ. of Me., 1897-98, Washington Univ., 1898-02.—Prof. Chem., Swarthmore.

Edward Cooke Armstrong, (F), A. B., Rand.-Macon, 1890.—Assoc. Prof. French.

Byron Briggs Brackett, A. B., Syracuse, 1890; Proficient in Elec., 1895; Instr., Union, 1897-98, Wash. High School, 1898-1900, Rutgers, 1900-03.—Prof. Physics, etc., Clarkson School of Tech., Potsdam, N. Y.

James Morton Callahan, (F), A. B., Indiana, 1894; Lecturer, Hamilton, 1897-98; Shaw Lecturer, 1899-1900.—Assoc. Prof. European Hist., West Va. Univ., Morgantown.

Hubert Lyman Clark, (F), Amherst (A. B., 1892, Instr., 1897-99).—Prof. Biol., Olivet Coll., Mich.

Frank Hollinger Cluts, (F), Midland Coll. (A. B., 1892, late Instructor).—Kansas City, Mo.

*Franklin Story Conant, (F), A. B., Williams, 1893; Bruce Fellow, 1897. **September* 13, 1897.

William Scofield Day, A.B., Columbia, 1884. —Lecturer, Physics, Columbia.

Noah Ernest Dorsey, (F), A. B., 1893, Asst. and Assoc., 1897-1901.—Physicist, Bureau of Standards, Wash.

Pelham Edgar, (F), A. B., Toronto, 1892.— Prof. Mod. Lang., Victoria Univ., Toronto.

Samuel Eagle Forman, A. B., Dickinson, 1887; Lecturer, 1900-01; Prof. English, Balt. City Coll., 1900-01.—Washington.

William Ritchie Fraser, A. B., Dalhousie, 1882.—Lecturer, Greek, McGill Univ., Montreal.

Edwin Luther Green, (F), A. B., Wash. and Lee, 1892; Prof., Central (Ky.), 1898-99; Acting Prof., Iowa Coll., 1899-1900.—Adj. Prof. Ancient Lang., S. Carolina Coll., Columbia.

Arthur Sewall Haggett, (F), A. B., Bowdoin, 1893.—Prof. Greek, Univ. of Washington, Seattle.

William Edwards Henderson, (F), A. B., Wooster, 1891; Prof., Ohio Univ., 1897-99.—Asst. Prof. Anal. Chem., Ohio State Univ., Columbus.

William Jackson Humphreys, (F), A. B., Wash. and Lee, 1886.—Instr. Physics, Univ. of Va.

Rev. Bartlett Burleigh James, Western Md. (A. B., 1891, Acting Prof., Psychol. etc., 1902-03); B. D., Westminster (Md.) Theol. Sem., 1892.—Clergyman, Balt.

Duncan Starr Johnson, (F), S. B., Wesleyan, 1892; Bruce Fellow, 1897-98.— Assoc. Prof. Botany.

Edwin Wexler Kennedy, A. B., Univ. of Tenn., 1880; Instr. Woman's Coll., Balt., 1895-97.—Prof. Econ., and Assoc. Latin, Peabody Normal Coll., Nashville, Tenn.

Francis Plaisted King, (F), A. B., Colby, 1890; Asst. State Geologist of Georgia, 1893-96.

Omera Floyd Long, (F), A. B., Ky. Wesleyan, 1890.—Asst. Prof. Latin, Northwestern Univ., Evanston, Ill.

William Tyler Mather, (F), A. B., Amherst, 1896; Asst. 1897.—Assoc. Prof. Physics, Univ. of Texas, Austin.

John McLaren McBryde, Jr., (F), A. B., Univ. of S. C., 1890; Prof., Hollins Inst., Va., 1897-1903.— Assoc. Prof. English, Univ. of N. C., Chapel Hill.

John Frederick Mohler, (F), A. B., Dickinson, 1887.—Prof. Physics, Dickinson, Carlisle, Pa.

Charles Patrick Neill, A. B., Georgetown (D. C.), 1891.—Prof. Pol. Econ., Catholic Univ.

Robert Stewart Norris, Univ. of Cal. (S. B., 1892, late Instr. Chem.).

Philip Ogden, A. B., Cornell, 1891.—Assoc. Prof. French Literature.

Nathan Allen Pattillo, S. B., Southern Univ., 1887; Prof. Ala. Normal Coll., 1897-99.—Prof. Math., Randolph-Macon Woman's Coll., Lynchburg, Va.

Alexander Pell, (F).—Prof. Math., Univ. of S. Dakota, Vermillion.

*Charles Dabney Ragland, (F), Rand.-Macon (A. B., 1889, Prof. Chem., 1897-1900). **October* 30, 1900.

Milton Reizenstein, A. B., 1894.—Asst. Agent, Baron Hirsch Foundation, N. Y.

Frank Roy Rutter, (F), A. B., 1894; Lecturer, Columbian, 1901-02, Iowa Univ., 1903-04.—Dept. of Agric., Washington.

John Adams Scott, (F), A. B., Northwestern, 1891.—Assoc. Prof. Greek, Northwestern Univ., Evanston, Ill.

George Burbank Shattuck, (F), S. B., Amherst, 1892.—Assoc. Prof. Geology.

George Shipley, A. B., Rand.-Macon, 1887. —English Master, Boys' Latin Sch., Balt.; Asst. Ed., *Baltimore American.*

Charles Peter Sigerfoos, S. B., Ohio State Univ., 1889; Asst., 1895-97.—Prof. Zool., Univ. of Minn., Minneapolis.

Enoch Walter Sikes, A. M., Wake Forest, 1891.—Prof. Polit. Sci. and Hist., Wake Forest, N. C.

William Bull Stoddard, S. B., Colo. Univ., 1894; Asst. Chem., Colo. Sch. of Mines, 1897-98.—Boulder, Colo.

Hugo Paul Thieme, A. B., 1893; Asst. Prof., Earlham, 1897-98; Lecturer, 1900-01.— Instr. French, Univ. of Mich.

George Washington Ward, A. B., Western Md., 1890.—Prof. Hist., etc., Western Md. Coll., Westminster.

Louis Napoleon Wheelton, A. B., Western Md., 1892; LL. B., Univ. of Md., 1897.— Atty. at Law, N. Y.

Charles Francis Woods, Jr., A. B., 1891; Prof., Woman's Coll., Richmond, 1897-99; Acting Prof., Swarthmore, 1899-1900, and Pa. Coll., 1900-02.—Acting Prof. German, Univ. of Colo., Boulder. (42)

1898

Cleveland Abbe, Jr., (F), A. B., Harvard, 1894; Prof. Nat. Sci., Western Md., 1898-99, Winthrop, 1899-1901.—U. S. Geol. Survey, Wash.

Howard Bell Arbuckle, A. B., Hampden-Sidney, 1889.—Sci. Instr., Decatur, Ga.

Arthur Henry Baxter, A. B., 1894.—Instr. French, Amherst.

Ernest Julius Becker, A. B., 1894; Prof., Woman's Coll., Richmond, 1899-1901.—Instr. Mod. Lang., Balt. City Coll.

Charles Hillman Brough, (F), Miss. Coll. (A. B., 1894, Prof., 1898-1901); LL. B., Univ. of Miss., 1902.—Prof. Philos. and Hist., Hillman Coll., Clinton, Miss.

Murray Peabody Brush, A. B., Princeton, 1894; Instr., Ohio State Univ., 1898-99.—Assoc. Romance Lang.

Killis Campbell, (F), A. B., William and Mary, 1894.—Instr. English, Univ. of Texas, Austin.

Charles Gilpin Cook, S. B., Haverford, 1892.—Science Instr., High School, Brooklyn.

Frederick Henry Duryea Crane, A. B., Union, 1893.—Analytical Chemist, N. Y.

Gilman Arthur Drew, (F), S. B., Iowa Univ., 1890; Bruce Fellow, 1898, Asst., 1898-1900.—Prof. Biol., Univ. of Me., Orono.

William Alexander Eckels, A. B., Dickinson, 1883; Prof. Ripon, 1891-93.—Prof. Greek, Miami Univ., Oxford, O.

John Eiesland, A. B., Univ. of S. Dak., 1891; Prof. Thiel Coll., 1898-1903.—Instr. Math. U. S. Naval Acad.

Charles Wilson Greene, (F), Stanford (A.B., 1892, Asst. Prof., 1898-1900).—Prof. Physiol., Univ. of Mo., Columbia.

James Graham Hardy, (F), A. B., Lafayette, 1894.—Asst. Prof. Math., Williams.

Lancelot Minor Harris, A. B., Wash. and Lee, 1888; Instr. and Asst. Prof., Indiana Univ., 1894-98.—Prof. English, Charleston Coll., S. C.

*Caleb Notbohm Harrison, Univ. of Wis. (B. C. E., 1882, Acting Prof., 1899-1900). **October* 11, 1904.

Charles Hoeing, (F), A. B., Ky. State Coll., 1890.—Instr. Latin, and Librarian, Univ. of Rochester, N. Y.

William App Jones, (F), A. B., Wake Forest, 1893.—Anal. Chemist, N. Y.

Percy Lewis Kaye, Iowa Univ. (A. B., 1895, Instr., 1898-1900); Instr., Coe Coll., 1900-01.—Instr. Hist., Balt. City Coll.

Samuel Shipman Kingsbury, A. B., Marietta, 1893.—Instr. Greek, Princeton Prep. School, N. J.

Guy Carleton Lee, (F), LL. B., Univ. of N. C., 1894; A. B. and LL. M., Dickinson, 1895; Instr. History, 1898-04.—Baltimore.

Arthur Gray Leonard, A. B., Oberlin, 1889; Acting Prof., Univ. of Mo., 1899-1900.—Asst. State Geologist, Des Moines, Iowa.

Charles Elwood Mendenhall, (F), S. B., Rose Polytech., 1894; Instr., Williams, 1898-1901.—Asst. Prof. Physics, Univ. of Wis., Madison.

Samuel Alfred Mitchell, (F), A. M., Queen's (Ont.), 1894; Fellow, Chicago, 1898-99.—Tutor, Astron., Columbia.

Cleophas Cisney O'Harra, A. B., Carthage, 1894.—Prof. Geol., S. Dak. Sch. of Mines, Rapid City.

Daniel Allen Penick, (F), A. B., Texas, 1891.—Instr. Latin and Greek, Univ. of Texas, Austin.

Thomas Dobbin Penniman, A. B., 1892.—Electr. Eng., Balt.

Charles William Peppler, (F), A. B., 1892.—Prof. Greek, Emory Coll., Oxford, Ga.

Ebenezer Emmet Reid, (F), A. M., Richmond, 1892; Prof., Charleston Coll., 1896-1901.—Prof. Chem., Baylor Univ., Waco, Texas.

*Edward Rhoads, S. B., Haverford, 1893; Instr. Physics, Worcester Polytech., 1898-1900, Haverford, 1900-03. **July* 4, 1903.

Garnett Ryland, A. M., Richmond, 1892; Instr. and Asst. Prof., Univ. of Me., 1893-1901; Prof., Converse Coll., 1901-03.—Prof. Chem., Georgetown Coll., Ky.

William Berney Saffold, (F), A. B., Ala., 1887.—Prof. Greek and Latin, Univ. of Ala.

Aristogeiton Marcus Soho, Prof., St. John's, 1894-1902.—Prof. French and Latin, Balt. City Coll.; Lecturer, Modern Greek.

Charles William Waidner, (F), A. B., 1896, Asst., 1898-99; Instr., Williams, 1899-1901.—Physicist, Bureau of Standards, Wash.

Richard Henry Wilson, A. B., 1892, Instr., 1898-99.—Prof. Romance Lang., Univ. of Va.

Albert Francis Zahm, A. M., Notre Dame, 1885.—Assoc. Prof. Mechanics, Catholic Univ., D. C. (36)

1899

Thomas Sewell Adams, (F), A. B., 1896.—Asst. Prof. Econ., Univ. of Wis., Madison.

John William Basore, (F), Hampden-Sidney (A. B., 1893, Prof., 1899-1900).—Instr. Latin, Univ. of Cal., Berkeley.

Edward William Berger, Baldwin Univ. (Ph. B., 1894, Prof., 1899-1901); Science Instr., Cleveland High School, 1901-02.—Berea, O.

William Noland Berkeley, S. B., St. John's, 1896.—Chemist, San Juan, Porto Rico.

Pierce Butler, (F), A. B., Tulane, 1892; Instr., Univ. of Texas, 1900-02.—Prof. History, Tulane Univ., New Orleans.

Horace Greeley Byers, A. B. and S. B., Westminster (Pa.), 1895.—Prof. Chem., Univ. of Wash., Seattle.

Joseph Scudder Chamberlain, (F), S. B., Iowa Agric., 1890; Instr., Oberlin, 1899-1901.—Chemist, Dept. of Agric., Washington.

Francis Whittemore Cragin, S. B., Harvard, 1882.—Prof. Geol., Colorado Coll., Colo. Springs.

George Vail Edwards, A. B., Hamilton, 1891.—Prof. Latin, Olivet Coll., Mich.

James Rees Ewing, A. B., Ohio Wesleyan, 1890.—Washington, D. C.

Oliver Lanard Fassig, S. B., Ohio State, 1882.—Section Director, U. S. Weather Bureau, Balt.; Assoc. Meteorology.

George Stronach Fraps, (F), A. and M. Coll. of N. C. (S. B., 1896, Instr., 1899-03).—Asst. Chemist, Experiment Sta., Texas.

Pierre Joseph Frein, (F), A. B., Williams, 1892; Instr. and Asst. Prof., Stanford, 1899-03.—Prof. French, Univ. of Wash., Seattle.

Leonidas Chalmers Glenn, (F), S. C. Coll. (A. B., 1891, Assoc. Prof. and Prof., 1899-1900).—Adj. Prof. Geol., Vanderbilt.

Caswell Grave, (F), S. B., Earlham, 1895; Bruce Fellow, 1899-01.—Assoc. Zoology.

Nathaniel Edward Griffin, A. B., 1894; Instr., Iowa Univ., 1899-1900; Prof., Wells Coll., 1900-03; Instr. English, Univ. of Vt., 1903-04.—Fellow by Courtesy.

Karl Josef Grimm, (F), Rayner Fellow, 1899-1901.—Prof. Modern Lang. and Hebrew, Ursinus Coll., Collegeville, Pa.

Hollister Adelbert Hamilton, (F), A. B., Rochester, 1892; Lecturer, Bryn Mawr, 1899-00.—Prof. Greek, Elmira Coll., N. Y.

Willis Boit Holmes, A. B., Harvard, 1896; Instr., Mass. Inst. Tech., 1899-1900.—Assoc. Chem., Univ. of Chicago.

George Oscar James, (F), A. B., 1895; Instr., Univ. of Utah, 1896-97; Lecturer and Assoc. Prof., Columbian, 1900-1902; Instr., Lehigh, 1902-03.—Instr. Math., Wash. Univ., St. Louis.

James William Kern, Univ. of Va., 1881.—Assoc. Prof. Latin, Wash. and Lee Univ., Lexington, Va.

George Philip Krapp, A. B., Wittenberg, 1894.—Lecturer, English, Columbia.

William Kurrelmeyer, (F), A. B., 1896; Prof., Franklin and Marshall, 1899-1900.—Instr. German.

Alvin Fayette Lewis, A. B., Princeton, 1884; Prof. Hist., Univ. of Arkansas, 1899-1902.

Joseph Francis Merrill, (F), S. B., Mich., 1893.—Prof. Physics, Univ. of Utah, Salt Lake City.

Alfred William Milden, (F), A. B., Toronto, 1888.—Prof. Classics, Emory and Henry Coll., Emory, Va.

Walter Alexander Montgomery, A. B., 1892; Instr., Univ. of Ark., 1899-1900; Acting Prof., Miss. Univ., 1900-01.—Class. Master, Sewanee Gram. School, Tenn.

Daniel Esten Motley, A. B., Milligan (Tenn.), 1894.—Washington, D. C.

Rokuro Nakaseko, Doshisha Univ., Tokyo, 1889; Yale (Fellow, 1899-01, M. S., 1901).—Instr. Chem., Univ. of Kyoto.

William Albert Nitze, (F), A. B., 1894; Lecturer and Tutor, Columbia, 1899-1903.—Assoc. Prof. Romance Lang., Amherst.

Frederick Albert Saunders, (F), A. B., Toronto, 1895; Instr., Haverford, 1899-1901.—Assoc. Prof. Physics, Syracuse Univ., N. Y.

Laurence Frederick Schmeckebier, (F), A. B., 1896.—U. S. Geol. Survey, Wash.

St. George Leakin Sioussat, A. B., 1896; Instr., Smith Coll., 1899-04.—Prof. Hist., Univ. of the South, Sewanee, Tenn.

Rev. Charles William Sommerville, A. B. and S. B., Hampden-Sidney, 1890; Lectr., 1900-01.—Clergyman, Balt.

Mervin Tubman Sudler, S. B., Md. Agric., 1894; M. D., Coll. P. and S., Balt., 1901; Asst. and Instr., 1899-1902.—Instr. Anat., Med. Dept., Cornell Univ., N. Y.

*Morris Crater Sutphen, A. B., Princeton, 1890; Instr. Latin, 1899-1901. **August 31, 1901.*

William Taylor Thom, A. B., Wash. and Lee, 1869.—U. S. Geol. Survey, Washington.

Harold John Turner, A. B., 1892; Prof., Western Md., 1900-01; Asst., Tufts Coll., 1903-04.—Science Director, Montclair High Sch., N. J.

Campbell Easter Waters, A. B., 1895; Prof., Conn. Agric., 1900-01; Asst., 1901-04.—Chemist, Bureau of Standards, Washington.

Henry Skinner West, (F), A. B., 1893; Prof., Balt. City Coll., 1894-97 and 1900; Instr. English, 1889-1900.—Principal, Western High School, Balt.

Francis Daniel Wilson, S. B., Va. Polytech., 1894; Asst., Tufts, 1899-1900.—Instr. Chem., Va. Polytechnic, Blacksburg.

James Henry Curry Winston, A. B. and S. B., Hamp.-Sidney, 1894.—Adj. Prof. Phys. Science, Hampden-Sidney, Va.

(42)

1900

Homer Van Valkenburg Black, A. B., Univ. of Ga., 1896.—Asst. Chem., Ga. School of Tech., Atlanta.

William Martin Blanchard, (F), A. B., Rand.-Macon, 1894; Instr., Rose Polytech., 1900-01.—Prof. Chem., De Pauw, Greencastle, Ind.

Hall Canter, A. B., Rand.-Macon, 1892.—Prof. Chem., Rand.-Macon, Ashland, Va.

Charles Edward Caspari, (F), A. B., 1896; Asst., Columbia, 1900-01.—Prof. Chem., St. Louis Coll. of Pharmacy.

Hardee Chambliss, Va. Mil. Inst., 1894; M. S., Vanderbilt, 1899.—Research Chemist, General Chem. Co., N. Y.

William Sidney Drewry, A. B., Va., 1893; Instr. Hist., Mo. Univ., 1900-02.—Richmond, Va.

James Edwin Duerden, Assoc., Royal Coll. of Sci., London, 1899; Curator, Inst. of Jamaica, 1895-1901; Bruce Fellow, 1901-02; Acting Prof., Univ. of N. C., 1902-03.—Instr. Zool., Univ. of Mich.

Luther Pfahler Eisenhart, (F), A. B., Pa. Coll., 1896.—Instr. Math., Princeton.

Herbert Baldwin Foster, (F), A. B., Harvard, 1895; Acting Prof., St. Stephen's 1900-01; Prof. Univ. of S. Dak., 1901-04.—Acting Prof. Greek, Lehigh, 1904-05.

William Linwood Foushee, (F), A. M., Wake Forest, 1894; Acting Prof., Mercer, 1900-01.—Prof. Latin, Richmond Coll., Va.

Wightman Wells Garner, A. B., S. C. Coll., 1896; late Instr. Chem., Tufts Coll.

Clyde Chew Glascock, (F), Univ. of Va., 1892.—Instr. German, Yale.

Lawrence Edmonds Griffin, (F), A. B. and Ph. B., Hamline, 1895; Bruce Fellow, 1900; Instr., Adelbert, 1900-02.—Prof. Biol., Mo. Valley Coll., Marshall, Mo.

Rev. Adolph Guttmacher, A. B., Cincinnati, 1887.—Rabbi, Balt.

Sivert N. Hagen, (F), A. B., Luther, 1896; Instr. English, Iowa Univ., 1900-04.—Asst. Ed., Worcester's Dictionary, Phila.

Joseph Cawdell Herrick, (F), A. B., Va., 1896.—Instr. Sciences, St. Joseph's Sem., Yonkers, N. Y.

David Wilbur Horn, A. B., Dickinson, 1897.—Assoc. Chem., Bryn Mawr.

William Bashford Huff, A. B., Wis., 1889; A. M., Chicago, 1896; Asst. and Instr., 1900-02.—Assoc. Physics, Bryn Mawr.

*Julian Huguenin, (F), A. B., Charleston, 1895; Acting Prof. English, Univ. of La., 1900-01. **February* 19, 1901.

Walter Hullihen, (F), A. B., Va., 1896.—Prof. Latin, Grant Univ., Chattanooga, Tenn.

Robert Edmund Humphreys, A. B., Emory and Henry, 1889.—Chemist, Standard Oil Co., Whiting, Ind.

Charles Ranald MacInnes, Queen's, Ont. (A. M., 1896, Instr., 1900-02); Lecturer, Math., Manitoba Coll., 1902-03.—Director of Gymnasium.

William Starr Myers, A. B., N. C. Univ., 1897.—Hist. Master, Country School, Balt.

John Charles Olsen, (F), A. B., Knox, 1890.—Asst. Prof. Chem., Brooklyn Polytech. Inst.

Austin McDowell Patterson, A. B., Princeton, 1897; Instr. Chem., Centre Coll., 1900-01, Rose Polytech., 1901-03.—Springfield, Mass.

Louis Maxwell Potts, A. B., Wash. and Jeff., 1896.—Electrician, Balt.

George Lovic Pierce Radcliffe, A. B., 1897; Instr. Hist., Balt. City Coll., 1901-02.—Atty. at Law, Balt.

Albert Moore Reese, A. B., 1892; Prof., Allegheny, 1901-02.—Assoc. Prof. Histol., Syracuse Univ., N. Y.

Herbert Meredith Reese, (F), A. B., 1897; Asst., Lick Observ., 1900-03, Yerkes Observ., 1903-04.—Assoc. Physics, Univ. of Mo., Columbia.

Rev. William Rosenau, A. B., Cincinnati, 1888.—Rabbi, Balt.; Assoc. Hebrew.

*Richard Burton Rowe, (F), Ph. B., Union, 1896; U. S. Geol. Survey, 1900-02. **May* 26, 1902.

James Eustace Shaw, (F), A. B., 1896.—Assoc. Italian.

Ernest Ashton Smith, A. B., Ohio Wesleyan, 1888.—Prof. Hist. and Econ., Allegheny Coll., Meadville, Pa.

Elisha Chisholm Walden, A. B., Ohio Wesleyan, 1892.—Webb City, Mo.

Charles Clinton Weaver, (F), A. B., Trinity, N. C., 1895; Pres., Rutherford Coll., 1900-03.—Prof. Hist., Davenport Coll., Lenoir, N. C. (35)

1901

Herbert Thompson Archibald, (F), A. B., Dalhousie, 1897.—Prof. Greek, Occidental Coll., Los Angeles, Cal.

George Ernest Barnett, (F), A. B., Rand.-Macon, 1891.—Assoc. Polit. Econ.

Robert Montgomery Bird, A. B., Hampden-Sidney, 1897; Asst. Prof. Miss. Agric., 1901-02.—Instr., Agric. Chem., Univ. of Mo., Columbia.

Jay Allan Bonsteel, S. B., Cornell, 1896.—Geologist, Dept. of Agric., Washington.

Lyman James Briggs, S. B., Mich. Agric., 1893; M. S., Mich. Univ., 1895.—Physicist, Dept. of Agric., Washington.

George Dobbin Brown, (F), A. B., 1895; Acting Prof., Univ. of Vt., 1901-02.—Instr. English, Balt.

Benjamin Palmer Caldwell, (F), Tulane (A. B., 1893, B. E., 1895, Ch. E., 1897).—Asst. Prof. Chem., Tulane, New Orleans.

Victor John Chambers, S. B., Rochester, 1895.—Tutor, Organ. Chem., Columbia.

William Chambers Coker, S. B., S. C. Coll., 1894.—Assoc. Prof. Botany, Univ. of N. C., Chapel Hill.

Winterton Conway Curtis, (F), A. B., Williams, 1897.—Instr. Zool., Univ. of Mo., Columbia.

Waverley Bayard Daniel, (F), A. M., Wake Forest, 1892.—Prof. Latin, Baylor Univ., Waco, Texas.

James McDowell Douglas, A. B., Davidson, 1893.—Assoc. Prof. Nat. Philos., Davidson, N. C.

Rev. Arthur Henry Ewing, (F), A. B., Wash. and Jeff., 1887; Western Theol. Sem. (Pa.), 1890.—Prof., Christian Coll., Allahabad, India.

James Marion Farr, A. B., Davidson, 1894.—Prof. English, Fla. Univ., Lake City.

Joseph Christie Whitney Frazer, (F), S. B., Ky. State, 1897; Asst. Chem., 1901-03.—Fellow by Courtesy.

Rev. Francis LeJau Frost, S. T. B., Gen. Theol. Sem. (N. Y.), 1897.—Clergyman; West New Brighton, N. Y.

Norman Everett Gilbert, (F), A. B., Wesleyan, 1895; Instr., Hobart, 1901-03.—Asst. Prof. Physics, Dartmouth, Hanover, N. H.

Roscoe Guernsey, (F), A. B., Union, 1896; Instr., 1901-03.—Tutor, Greek, Columbia.

Fred Cole Hicks, (F), Ph. B., Cornell Coll., 1896.—Instr. German, Monmouth, Ill.

Gilbert Logan Houser, S. B., Iowa Univ., 1891.—Prof. Animal Biology, Iowa Univ., Iowa City.

Norton Adams Kent, A. B., Yale, 1895; Asst. Yerkes Observ., 1901-03.—Prof. Physics, Wabash, Crawfordsville, Ind.

George Curtis Martin, (F), S. B., Cornell, 1898; Instr., 1901-04.—U. S. Geol. Survey, Washington.

William Elejius Martin, (F), A. M., Southern Univ., 1898.—Prof. Hist., Emory and Henry Coll., Emory, Va.

Jens Anderson Ness, (F), A. B., Luther, 1884.—Instr. Latin, Wittenberg, Springfield, O.

Francis LeJau Parker, Jr., S. C. Mil. Acad., 1894; S. B., Chicago, 1900.—Prof. Chem., Charleston Coll., S. C.

Harold Pender, A. B., 1898; Instr. Physics, Syracuse Univ., 1902-03.—Electrician, Pittsburg.

Israel Euclid Rabinovitch, (F).—New York.

George Burr Richardson, (F), S. B., Harvard, 1895.—U. S. Geol. Survey, Wash.

Charles Carroll Schenck, A. B., 1893; Asst., Lehigh, 1901-02.—Instr. Physics, McGill Univ., Montreal.

Ward Weaver Simmons, S. B., Brooklyn Polytech., 1897.—Brooklyn, N. Y. (30)

1902

Frank Ringgold Blake, (F), A. B., 1897.—Instr. Oriental Lang.
George Cator, A. B., 1901.—Baltimore.
Friend Ebenezer Clark, W. Va. Univ. (S. B., 1898, Instr., 1902-03). — Instr. Chem., Pa. State Coll.
Arthur Byron Coble, (F), A. B., Pa. Coll., 1897; Instr., Mo. Univ., 1902-03.—Instr. Mathematics.
Albert Eugene Curdy, (F), A. B., Kansas, 1885.—Instr. French, Yale.
Theodore Clinton Foote, A. B., Racine, 1880; S. T. B., Gen. Theol. Sem. (N. Y.), 1884; Rayner Fellow, 1901-03.— Instr. Biblical Literature.
James Warner Harry, (F), A. B., Georgetown (Ky.), 1899.—Baltimore.
Herman Kurrelmeyer, (F), A. B., 1899.—Instr. Mod. Lang., Mass. Inst. Tech., Boston.
Charles Fowler Lindsay, (F), A. B., Dalhousie, 1899.—Research Chemist, Gen. Elec. Co., Schenectady.
Louis Wardlaw Miles, (F), A. B., 1894; M. D., Univ. of Md., 1897.—German Master, Country School, Balt.
Louis Alexander Parsons, (F), A. B., Iowa Univ., 1895; Asst., 1902-03; Instr., Univ. of Utah, 1903-04.—Instr. Physics, Univ. of Cal., Berkeley.
Henry Farnham Perkins, A. B., Vermont, 1896.—Instr. Biol., Univ. of Vt., Burlington.
Charles Snavely, A. B., Otterbein, 1894.—Prof. Hist., Otterbein, Westerville, Ohio.
Percy Goldthwait Stiles, (F), S. B., Mass. Inst. Tech., 1897; Asst., 1900-02; Instr. N. Y. Univ., 1902-04.—Instr. Physiol., Mass. Inst. Tech. and Simmons Coll., Boston.
William Stone Weedon, (F), S. B., Md. Agric., 1897.—Research Chemist, Chester, Pa.
John Boswell Whitehead, Jr., Profic. in Elec., 1893, A. B., 1898.—Assoc. Prof. Electricity.
Kisaburo Yamaguchi, (F), Tokyo Coll. of Sci., 1891.—Chemist, Furukawa Central Office of Mines, Tokyo. (17)

1903

LeRoy Carr Barret, (F), A. B., Wash. and Lee, 1897.—Instr. Latin.
Elbert Jay Benton, (F), A. B., Campbell Univ., 1895.—Instr. Hist., Adelbert, Cleveland.
George Olaf Berg, (F), St. Olaf Coll. (A. B., 1899, Acting Prof. Greek, 1903-04.)
Benjamin Franklin Carver, S. B., Pa. Coll., 1900.—Chemist, Standard Oil Co., Whiting, Ind.
Henry Augustus Converse, A. B., Hampden-Sidney, 1893; Instr., 1903-04.—Instr. Math., Balt. Polytech. Inst.
Rev. John P. Coony, Asst., St. Louis Univ., 1903-04.—Prof. Chem., Marquette Coll., Milwaukee.
Frank Linley Critchlow, A. B., Princeton, 1896.—Instr. French, Princeton.
Charles Keyser Edmunds, (F), A. B., 1897.—Prof. Physics, Christian Coll., Canton, China.
Philip Howard Edwards, (F), A. B., St. John's, 1898.—Classical Master, Friends' School, Balt.
Frederick Hutton Getman, (F). — Instr. Chem., N. Y. City Coll.
William Elford Gould, A. B., Columbia, 1879.—Fellow by Courtesy.
Philip Warner Harry, A. B., 1898.—Instr. Romance Lang., Univ. of Cincinnati.
Yukimasa Hattori, (F), Tokyo Coll. of Sci., 1898.
John Gale Hun, (F), A. B., Williams, 1899. —Instr. Math., Princeton.
Albert Johannsen, (F), S. B., Univ. of Utah, 1898.—U. S. Geol. Survey, Wash.
Thomas Madison Jones, A. B., Rand.-Macon, 1894.—Prof. Latin, Rand.-Macon, Ashland, Va.
George Wiles Middlekauff, A. B., Franklin and Marshall, 1891.—Physicist, Bureau of Standards, Wash.
Benjamin Leroy Miller, (F), A. B., Kansas Univ., 1897; A. M., Penn Coll., 1898.—Assoc. Geol., Bryn Mawr, Pa.
Joseph Haines Moore, A. B., Wilmington (O.), 1897.—Asst., Lick Observatory, Cal.
Alfred James Morrison, (F), A. B., Hampden-Sidney, 1895.—Brooklyn, N. Y.
Roland Jessup Mulford, (F), Harvard (A. B., 1893, LL. B., 1896).—Head Master, Cheshire School, Conn.
John David Rodeffer, A. B., Roanoke, 1895; Instr. Engl., Balt. City Coll., 1903-04.—Library of Congress, Washington.
Henry Nevill Sanders, (F), A. B., Trinity (Ont.), 1894; Lecturer, McGill, 1898-01.—Assoc. Prof. Greek, Bryn Mawr, Pa.
Charles Albert Savage, A. B., 1895.—Asst. Prof. Greek and Latin, Univ. of Minn., Minneapolis.
Atherton Seidell, Univ. of Ga. (B. Agr., 1898, S. B., 1899); M. S., Columbian, 1901. —Chemist, Division of Soils, Dept. of Agric., Wash.
Daniel Naylor Shoemaker, (F), S. B., Earlham, 1894; Asst. Zool., 1900-01.—Science Instr., Hartsville Seminary, S. C.
Arthur Whitmore Smith, (F), S. B., New Hampshire Coll., 1893.—Asst. Physics, Univ. of Mich. (27)

1904

James Barnes, (F), A. B., Dalhousie, 1899. —Asst. Physics.
Harry Preston Bassett, S. B., Ky. State, 1901.—Fellow by Courtesy.
Charles Edward Brooks, A. B., 1900.—Newark, N. J.
George Griffin Brownell, A. B., Syracuse, 1893.—Prof. Romance Lang., Univ. of Ala.
Douglas Labaree Buffum, (F), A. B. and A. M., Va., 1898.—Instr. French, Yale.
Howard Vernon Canter, (F), A. B., Wash. and Lee, 1896.—Classical Instr., Balt.; Fellow by Courtesy.
Charles Geiger Carroll, A. B., Southwestern, 1898.—Prof. Chem., Southwestern, Georgetown, Texas.

Walter Buckingham Carver, (F), Ph. B., Dickinson, 1899.—Prof. Math., Ursinus, Collegeville, Pa.
Rheinart Parker Cowles, (F), A. B., Stanford, 1899; Bruce Fellow, 1902-04.—Asst. Biology.
John Jackson Crumley, A. B., Chicago, 1899.—Prof. Latin, Antioch, Yellow Springs, O.
Howard Waters Doughty, (F), Profic. in Elec., 1893.—Asst. Chemist, Bureau of Standards, Washington.
Aaron Ember, (F), A. B., 1901.—Rayner Fellow in Semitic Lang.
Otto Charles Glaser, A. B., 1900.—Bruce Fellow in Biology.
Elliot Snell Hall, (F), A. B., Amherst, 1896.—Instr. Chem., Univ. of Chicago.
Henry Dickinson Hill, A. B., 1900.—N. Y. Telephone Co.
John Porter Hollis, (F), A. B., Wofford, 1895.—Acting Prof. Hist., Southwestern Univ., Georgetown, Texas.
Arthur Isaac Kendall, (F), S. B., Mass. Inst. Tech., 1900.—Bacteriologist, Panama, S. A.
Albert Frederick Kuersteiner, A. B., Cincinnati, 1888.—Prof. Romance Lang., Indiana Univ., Bloomington.
Charles Edward Lyon, A. B., 1897; Instr. Princeton, 1902-03.—Instr. German, Williams Coll.
Ernest Gale Martin, (F), Ph. B., Hamline, 1897; Asst., 1903-04.—Instr. Anat. and Physiol., Purdue, Lafayette, Ind.
Raymond Durbin Miller, (F), A. B., 1898.—Instr. English, Univ. of Texas, Austin.
James Raider Mood, A. B., Charleston, 1900.—Instr. Latin, Villanova Coll., Pa.
McKendree Llewellyn Raney, (F), A. B., Centre, 1897.—Asst. Librarian.
John Joseph Rutledge, S. B., Ill. Univ., 1894.—Mining Geologist, Davis, Mass.
John Philip Schneider, (F), A. B., Wittenberg, 1898; A. M., Columbia, 1898.—Prof. English, Wittenberg, Springfield, O.
Theodore Leslie Shear, (F), A. B., N. Y. Univ., 1900.—Student, Amer. Sch. of Classical Studies, Athens.
Harry William Springsteen, S. B., Case School, 1897.—Instr. Physics, Bryn Mawr, 1904-05.
Charles Kephart Swartz, (F), A. B., 1888.—Instr. Geology and Paleontology.
David Hilt Tennent, (F), S. B., Olivet, 1900; Bruce Fellow, 1904.—Lecturer, Zoology, Bryn Mawr.
James Blanton Wharey, A. B., Davidson, 1892.—Prof. English, Southwestern Presb. Univ., Clarksville, Tenn.
William Phillips Winter, A. B., Ohio Wesleyan, 1887.—Prof. Chem., Albright Coll., Meyerstown, Pa.

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1905

[*February* 22]

Hamilton James Eckenrode, A. B., Fredericksburg, 1898.
James Martin Wright, (F), A. B., William Jewell, 1901.—Nassau, Bahama Islands.

(2)

(656)

DOCTOR OF MEDICINE

When no institution is mentioned, the degree or position refers to the Johns Hopkins University or the Johns Hopkins Hospital. *Deceased.

1897

Charles Russell Bardeen, A. B., Harvard, 1893; Asst., Assoc., and Assoc. Prof. of Anatomy, 1897-1904.—Prof. of Anatomy, Univ. of Wisconsin, Madison.
Thomas Richardson Brown, A. B., 1892; Resident House Officer, 1897-1898.—Chief of Med. Clinic and Assoc. in Medicine; Assoc. Prof. of Clinical Medicine, Coll. of P. & S., Balt.; Assoc. Editor, Maryland Med. Jour.; Physician, Baltimore.
*Walter S. Davis, S. B., Amherst, 1893; Resident House Officer, 1897-1898.
Louis Philip Hamburger, A. B., 1893; Resident House Officer, 1897-1898.—Assoc. and Chief of Med. Clinic; Attending Physician, Union Prot. Infirmary; Physician, Baltimore.
Guy Le Roy Hunner, S. B., Wisconsin, 1893; Resident House Officer and Asst. Resident Gynecologist, 1897-1900; Resident Gynecologist and Instr., 1900-1902.—Associate in Gynecology; Physician, Baltimore.
Irving Phillips Lyon, A. B., Yale, 1893; Resident House Officer, 1897-1898.—Instr. in Clinical Med., Univ. of Buffalo; Pathologist, Charity Eye, Ear and Throat Hosp. of Erie Co., Clinical Pathologist, German Deaconess Hosp., Member of the Amer. Ass'n of Pathologists and Bacteriologists, and Physician, Buffalo, N. Y.
William George MacCallum, A. B., Toronto, 1894; Resident House Officer, Resident Bacteriologist, and Asst. Resident Pathologist, 1897-1900; Assoc. in Pathol., 1900-1901.—Resident Pathologist and Assoc. Prof. of Pathology.
Charles Neil McBryde, S. B., Univ. of South Carolina, 1891; M. S., Virginia Polytechnic Institute, 1892; Physician, Blacksburg, Va., 1897-1900.—Asst. in Bacteriol., Biochemical Lab., Dept. of Agriculture, Washington, D. C.
James Farnandis Mitchell, A. B., 1891; Resident House Officer and Asst. Resident Surgeon, 1897-1900; Resident Surgeon and Instr. in Surgery, 1900-1902.—Professor of Surg. Path., Columbian Univ., and Surgeon, Washington, D. C.
Joseph Longworth Nichols, A. B., Harvard, 1893; Fellow in Pathol., 1897-1898; Student, Univ. of Berlin, 1898-1899; Saranac Lake, N. Y.
Eugene Lindsay Opie, A. B., 1893; Resident House Officer, 1897-1898; Fellow,

Asst., Instr., and Assoc. in Pathology, 1898-1904.—Assoc., Rockefeller Institute for Med. Research, N. Y.

Mary Secord Packard, A. B., Vassar, 1892; Harvard Summer Sch., 1893; Resident House Officer, 1897-1898; Physician to Kingsley House (Coll. Settlement), Pittsburgh, 1898-1900; Pathologist, New Eng. Hosp., Boston, 1902-1903.—Physician, Providence, R. I.

Omar Borton Pancoast, S. B., Swarthmore, 1893; Resident House Officer, 1897-1898; Resident Surgeon, Union Prot. Infirmary, Baltimore, 1898-1900.—Clinical Asst. in Surgery; Physician, Baltimore.

Clement Andariese Penrose, A. B., 1893; Resident House Officer, 1897-1898.—Physician, Baltimore.

Richard Pearson Strong, Ph. B., Yale, 1893; Resident House Officer, 1897-1898; Asst. Surg., U. S. Army, in charge of Army Path. Lab., Manila, 1899-1901.—Director of Gov't Biol. Lab'y, U. S. A., Manila. (15)

1898

William Stevenson Baer, A. B., 1894; Resident House Officer and Asst. Resident Surgeon, 1898-1900; Asst. in Orthopedic Surgery, 1900-1901.—Clinical Asst. and Instructor.

William Jeptha Calvert, A. B., Univ. of Kentucky, 1893; First Lieut. and Asst. Surgeon, U. S. A., Fort McHenry, 1898-1902; Lecturer on Tropical Diseases, Washington Univ., St. Louis, 1902-1903.—Asst. Prof. Internal Medicine, Univ. of Missouri, Columbia.

Patrick Joseph Cassidy, A. B., Yale, 1894; Asst. Resident Physician, Backus Hosp., 1898-1899.—Med. Examiner, Metropolitan Life Ins. Co., and Physician, New London, Conn.

John Williams Coe, Ph. B., Yale, 1893; Senior Asst. on House Staff, Presbyterian Hosp., N. Y., 1898-1899, and Resident Physician, 1899-1900.—Asst. in Clinical Pathol., Cornell Univ., and Physician, N. Y.

Percy Millard Dawson, A. B., 1894; Fellow, Asst., Instr., and Assoc., 1898-1904.—Assoc. Prof. of Physiology.

Arthur Wells Elting, A. B., Yale, 1894; Resident House Officer, 1898-1899; Asst. in Pathol., Albany Med. Sch., 1899-900.—Surgeon, Child's Hosp.; Chief of Surgical Clinic, Albany Hosp.; Attending Surg., St. Peter's Hosp.; Lecturer in Surgical Pathol., Albany Med. School; Surgeon, Albany, N. Y.

William Webber Ford, A. B., Adelbert, 1893; Resident House Officer, 1898-1899; Fellow in Pathol., McGill Univ., 1899-1901; Fellow, Rockefeller Inst. for Med. Research, Inst. for Infectious Diseases, Berlin, 1901-1902, and J. H. U., 1902-1903.—Instructor in Bacteriology.

Thomas Wood Hastings, A. B., 1894; Resident House Officer, 1898-1899; Surgeon, Hospital Ship "Maine," 1899-1900.—Instr. in Clinical Pathol. and Attending Physician, Dispensary Staff, Cornell Univ. Med. Coll.; Physician, N. Y.

Alfred Birch Herrick, A. B., Williams, 1894; Resident House Officer, 1898-1899; Resident Physician, National Soldiers' Home, 1899-1900.—Resident Surgeon, Barnes Hosp., Washington, D. C.

James Hall Mason Knox, Jr., A. B., Yale, 1892, and Ph. D., 1894, A. M., Lafayette, 1896; Resident House Officer, 1898-1899.—Clinical Asst. and Asst. in Pediatrics; Senior Resident, Wilson Sanitarium; Physician, Baltimore.

Millard Langfeld, A. B., 1893.—Prof. of Bacteriol. and Embryology, Creighton Med. Coll., Bacteriologist to Omaha City Board of Health; Physician to St. Joseph's and Douglas Co. Hospitals, and Physician, Omaha, Neb.

Gertrude Light, S. B., Wisconsin, 1894; Physician, Randall's Island Hosp. for Children, N. Y., 1898-1899; Demonstrator of Pathol., Wisconsin Coll. of P. & S., 1899-1900; Clinical Asst., Bellevue Hosp. Disp., 1901-1902.—Sanitary Inspector, Tenement House Dept., N. Y.

James Daniel Madison, S. B., Wisconsin, 1894; Resident House Officer, 1898-1899; Asst. Resident Physician, Danvers Insane Hosp., Mass., 1899-1902.—Adjunct to Chair of Medicine, Wis. Coll. of P. & S., and Physician, Milwaukee.

Harry Taylor Marshall, A. B., 1894; Resident House Officer, 1898-1899; Fellow, 1899-1900; Asst. Resident Pathologist, 1900-1903; Chief of Med. Clinic; Asst. in Pathol. and Instr. in Medicine, and Physician, Baltimore.

Roger Griswold Perkins, A. B., Union Coll., 1893, and Harvard, 1894; Resident Pathologist, Lakeside Hosp., Cleveland, 1900-1902.—Asst. Prof. of Pathol. and Bacteriol., Western Reserve Univ.; Visiting Pathologist to St. Alexis, Mt. Sinai and City Hospitals, and Physician, Cleveland.

Katherine Porter, A. B., Bryn Mawr, 1894; House Physician, N. Y. Infirmary for Women and Children, 1898-1899.—Externe, Orange Memorial Hosp. Disp.; Physician, Children's Aid and Protective Society of the Oranges; Asst. Surgeon, N. Y. Infirmary for Women and Children; Physician, Orange, N. J.

Joseph Hersey Pratt, Ph. B., Yale, 1894; A. M., Harvard, 1901; Asst. Pathologist, City Hosp., Boston, 1899-1900; Instr. in Pathol., Harvard, 1900-1902; Asst. Visiting Pathologist, City Hosp., and Asst. Pathologist, Children's Hosp., Boston, 1900-1902.—Asst. in the Theory and Practice of Physic, Harvard; Physician to Out-Patients, Mass. Gen'l Hosp.; Fellow, Rockefeller Institute for Med. Research, and Physician, Boston.

Georgiana Sands, A. B., Vassar, 1893; Grad. Student, Barnard Coll., 1893-1894; Resident House Officer, 1898-1899.—Visiting Physician, Port Chester Hosp. and Physician, Port Chester, N. Y.

Benjamin Robinson Schenck, A. B., Williams, 1894; Resident House Officer and Asst. Resident Gynecologist, 1898-1902; Resident Gynecologist and Instructor, 1902-1903.—Physician, Detroit, Mich.

Walter Ralph Steiner, A. B., Yale, 1892,

and A. M., 1895; Grad. Student, 1892–1894; Resident House Officer, 1898–1899.—Pathologist and Bacteriologist, Hartford Hosp., and Physician, Hartford, Conn.

Emma Elizabeth Walker, A. B., Smith, 1887. — Clinical Asst., Hosp. for Ruptured and Crippled, and Physician, New York.

Andrew Henderson Whitridge, S. B., Harvard, 1894; Resident House Officer, 1898–1899.—Clinical Asst. in Medicine; Med. Director of Maryland Life Ins. Co.; Physician, Baltimore. (22)

1899

Edward Erle Brownell, Ph. B., Yale, 1895; Resident House Officer, 1899–1900.—Physician, San Francisco, Cal.

Humphrey Warren Buckler, A, B., 1895; Resident House Officer, 1899–1900.—Asst. in Obstetrics; Clinical Asst. in Medicine; Physician, Baltimore.

Rufus Ivory Cole, S. B., Michigan, 1896; Resident House Officer, and Asst. Resident Physician, 1899–1904.—Med. Adviser to Med. Students; Resident Physician; Assoc. in Medicine.

John Staige Davis, Ph. B., Yale, 1895; Resident House Officer, 1899–1900; Resident Physician, Union Protestant Infirmary, 1900–1903.—Clinical Asst. in Surgery; Surgeon to the Dispensary of the Robt. Garrett Hosp. for Children; Prof. of Surgery, Woman's Med. Coll. of Baltimore, and Physician, Baltimore.

Charles Phillips Emerson, A. B., Amherst, 1894; Resident House Officer, 1899–1900; Instructor, 1900–1903.—Asst. Resident Physician in charge of Clinical Lab.; Associate in Medicine.

Blanch Nettleton Epler, S. B., California, 1895; House Physician, Randall's Island Hosp. for Children, and Interne, N. Y. Infirmary for Women and Children, 1899–1900.—Physician, Kalamazoo, Mich.

Joseph Erlanger, S. B., California, 1895; Resident House Officer, 1899–1900; Fellow in Pathol. and Asst., and Assoc. in Physiology, 1900–1904.—Associate Professor of Physiology.

Philip Saffery Evans, Jr., A. B., Yale, 1895; Intercollegiate Sec., Y. M. C. A., Balt., 1899–1900; Clinical Asst. in Surgery, 1900–1901.—Medical Missionary, Yangchow, China.

Richard Holden Follis, Jr., Ph. B., Yale, 1895; Externe, 1899–1900; Asst. Resident Surgeon, 1900–1902.—Resident Surgeon; Instr. in Surgery.

Frank Taylor Fulton, S. B., Knox, 1894; A. B., 1895; Pathol. Interne, City Hosp., Boston, 1899–1900.—Pathologist and Director of Pathol. Lab., Rhode Island Hosp.; Instructor in Pathol. and Histol., Brown Univ., and Physician, Providence.

*James Daton Gallagher, A. B., 1895; Physician to the Private Wards, Lakeside Hosp., Cleveland, O., 1899–1900.

Henry Harris, A. B., Stanford, 1895; Resident House Officer, 1899–1900.—Instr. in Princ. and Pract. of Med. and 1st Asst. in Med. Clinic, Cooper Med. Coll.; Visiting Physician, Hebrew Orphan Asylum and Physician, San Francisco.

Henry Joseph Hoye, A. B., Brown, 1895; Surg. Interne, City Hosp., Boston, 1899–1900, and House Surgeon, 1900–1901.—Pathol. Externe, R. I. Hosp.; Surg. to Out Patient Dept. St. Joseph's Hosp., and Physician, Providence.

Louis Williams Ladd, A. B., Yale, 1895; Acting Asst. Resident Physician, 1899–1900; Resident Physician, Lakeside Hosp., 1900–1901.—Lecturer on Clin. Microscopy, Western Reserve Univ.; Clin. Microscopist, Lakeside Hosp., Cleveland.

Charles Sumner Little, A. B., Wabash, 1894, and A. M., 1903.—Demonstrator of Pathol., Central Coll. of P. and S., and Physician, Indianapolis, Ind.

John Arthur Luetscher, S. B., Wisconsin, 1895; Resident House Officer, 1899–1900; House Physician, City Hosp., Boston, 1900–1901.—Clinical Asst. in Medicine, and Physician, Baltimore.

Frank Allemong Lupton, S. B., Ala. Polytech. Inst., 1891, and S. M., 1892; Grad. Student, 1893–1894.—Member of Southern Surg. and Gynecol. Assn.; Prof. of Clinical Microscopy and Bacteriol., and Assoc. Prof. of Obstetrics, Birmingham Med. Coll., Ala.

Frank Worthington Lynch, A. B., Adelbert, 1895; Asst. Resident Obstetrician, 1899–1900; Resident Obstetrician; Chief of Obstet. Clinic, and Assoc. in Obstetrics, 1900–1903.—Instr. in Obstetrics, Rush Med. Coll., Chicago.

Chester Lea Magee, A. B., Stanford, 1895, and A. M., 1896; Asst. Resident Physician, City Asylum, Balt., 1899–1900; Instr. in San Diego Training Sch. for Nurses, 1900–1902.—Asst. Surg. Sante Fé R. R., and Physician, San Diego, Cal.

Hugh Miller Moore, S. B. and M. S., Miami, 1895.—Fellow, Amer. Acad. of Med.; Med. Director, Miami Univ., and Physician, Oxford, O.

Charles Williams Ottley, A. B., Princeton, 1893; Travelling Secy. of Student Volunteer Movement for Foreign Missions, N. Y., 1899–1900; House Physician, Blackwell's Island, Dept. of Charities, N. Y., 1900–1901; Prof. of Biology, Robert Coll., Constantinople, 1901–1904.—Physician and Surg. to Anatolia Coll. Hosp., Marsovan, Turkey.

Paul Octavius Owsley, Ph. B., Yale, 1895; Asst. Resident Surgeon, St. Joseph's Hosp., Balt., 1899–1901.—Instr. in Clin. Gynecology, North Western Med. School; Attending Surg. to Cook Co. Hosp., and Physician, Chicago.

Jacob Hall Pleasants, A. B., 1895; Resident House Officer, 1899–1900.—Assoc. Prof. of Clin. Medicine, Coll. of P. and S., Balt.; Chief of Med. Clinic, and Asst. in Medicine; Physician, Baltimore.

Sylvan Rosenheim, A. B., 1895.—Demonstrator of Bacteriol., Coll. of P. and S., Balt.; Chief of Laryngol. Clinic, N. E. Dispen.; Asst. and Clinical Asst. in Laryngology; Physician, Baltimore.

John Albertson Sampson, A. B., Williams,

1895; Resident House Officer, 1899–1900; Asst. Resident Gynecologist, 1900–1902; Resident Gynecologist, 1902–1904; Assistant in Gynecol., 1902–1904.

Halbert Severin Steensland, S. B., Wisconsin, 1895; Pathol. House Officer, City Hosp., Boston, 1899–1900.—Director, Pathol. Lab., Syracuse Univ., Syracuse, N. Y.

William Ridgely Stone, A. B., Princeton, 1895; Interne, Blackwell's Island, Dept. of Charities, N. Y., 1899–1900.—Asst. Visiting Obstetrician, Maternity Hosp., Blackwell's Island; Asst. Attending Physician, Cornell Univ. Med. Sch. Disp. and Physician, N. Y.

Edgar Randolph Strobel, A. B., 1895; Externe, 1899–1900; Clinical Prof. in Dermatology, Balt. Med. Coll.; Asst. and Clinical Asst. in Dermatology; Physician, Baltimore.

Frederick Herman Verhoeff, Ph. B., Yale, 1895; A. M., Harvard, 1902; Externe, 1899–1900; Asst. Surgeon, Balt. Eye, Ear and Throat Charity Hosp,, 1899–1900; Asst. in Pathol., Harvard Med. Sch., 1901–1902.—Pathologist, Mass. Charitable Eye and Ear Infirmary, Asst. Ophthalmic Surgeon, Carney Hosp., and Physician, Boston.

William Whitridge Williams, A. B., 1895; Resident Physician, St. Joseph's Hosp., Balt., 1899–1900; Asst. Univ. of Prague, 1900–1901; Asst. in Pathol., Harvard, 1901–1903.—Graduate Asst., Out-Patient Dept., Mass. Gen'l Hosp., Boston.

Sarah Delia Wyckoff, S. B., Wellesley, 1894; Resident House Officer, 1899–1900.—Physician, Wilkesbarre, Pa.

John Lawrence Yates, Ph. B., Yale, 1894; S. B., Wisconsin. 1895; Resident House Officer, 1899–1900, and Asst. Resident Surgeon, 1900–1901; Asst. in Pathol., 1901–1902; Asst. Demonstrator of Pathol., Univ. of Pa., 1902–1903.—Resident Pathologist, Alexian Bros. Hosp., Chicago. (32)

1900

Joseph Akerman, A. B., Univ. of Georgia, 1894, and Grad. Student, 1895–1896.—Resident Physician and Surgeon, Presbyterian Hosp., Philadelphia, 1900–1902; Supt., Walker Memorial Hosp., Wilmington, N. C.

Herbert Williams Allen, S. B., California, 1896; Resident House Officer, 1900–1901; Resident Physician, Lakeside Hosp., Cleveland, 1901–1902.—Asst. in Clin. Pathol., Med. Dept. Univ. of Calif. and Physician, San Francisco.

Mabel Fletcher Austin, S. B., Minnesota, 1896; Pathologist and Interne, City and County Hosp., St. Paul, 1900–1902.—Pathologist, New England Hosp. and Physician, Boston.

Alma Emerson Beale, A. B., Wellesley, 1891; Marine Biological Lab., 1893; Externe, 1900–1901; Resident Physician, Evening Disp. for Working Women and Girls, Balt., 1900–1901; Interne, N. Y. Infirmary for Women and Children, 1901–1902. — Physician, Schaghticoke, N. Y.

*Milton Bettmann, A. B. Harvard, 1897; Resident House Officer, 1900–1901; Student, Univ. of Berlin, 1901–1902.

Evelyn Briggs, A. B., Stanford, 1896.—Physician, Sacramento, Cal.

Lawrason Brown, A. B., 1895.—Resident Physician, Adirondack Cottage Sanitarium, Saranac Lake, N. Y.

Herman Brülle, A. B. and S. B., Hampden-Sidney, 1895; Grad. Student, 1895–1896; Externe, 1900–1901.—Clinical Asst. in Medicine; Medical Agent for City Charities, and Physician, Baltimore.

Curtis Field Burnam, A. B., Central Univ., Ky., 1895; Grad. Student, 1895–1896; Resident House Officer, 1900–1901; Asst. Resident and Resident Gynecologist, 1901–1904.—Med. Examiner, N. Y. Mutual Life Ins. Co., N. Y.

Arthur Smith Chittenden, A. B., Yale, 1896; House Surgeon, N. Y. Hosp., 1900–1902.—Asst. in Path., Columbia; Visiting Pathologist, Lincoln Hosp.; Physician, N. Y.

Henry Asbury Christian, A. B. and A. M., Randolph-Macon, 1895, and Grad. Student, 1895–1896; A. M., Harvard, 1903; Asst. in Pathol., City Hosp., Boston, 1900–1902.—Secy. of Sec. on Pathol. and Physiol. Amer. Med. Ass'n.; Instructor in Pathol., Harvard; Asst. Visiting Pathologist, City Hosp. and Children's Hosp., Boston.

William Remshart Dancy, S. B., Univ. of Georgia, 1896; House Physician and Surgeon, Seney Methodist Episcopal Hosp., Brooklyn, N. Y., 1900–1902; Grad. Student, Universities of Berlin and Vienna, 1902–1903; Res. Supt. Savannah Hosp., Savannah, 1903–1904.—Physician, Savannah, Ga.

Frank Curtiss Davis, A. B., Amherst, 1905.—Physician, Rochester, Minn. (*Degree granted December 4, 1899.*)

Augustus Hartje Eggers, Ph. B., Yale, 1896.—Physician, Ambridge, Pa.

Henry Courtney Evans, A. B., Adelbert, 1896.—Interne, Western Penna. Hosp., Pittsburg.

Rose Fairbank, A. B., Smith, 1895.—Asst. Resident Physician, Hosp. of the Union Missionary Society, Jhansi, India.

Clarence B. Farrar, A. B., Harvard, 1896.—Asst. Physician and Act. Director of the Laboratory, Sheppard and Pratt Hosp., Balt.; Research Asst., The Carnegie Institution of Washington; Clinical Asst. in Neurology.

Arthur Lawrence Fisher, S. B., California, 1896; Resident House Officer, 1900–1901; Fellow, Rockefeller Inst. for Med. Research, 1901–1902.—Asst. Visiting Surg., Mt. Zion Hosp., and Physician, San Francisco.

William Alexander Fisher, Jr., A. B., Princeton, 1896; Resident House Officer, 1900–1901; Clinical Asst. in Genito-Urinary Surgery; Asst. Physician, Union Protestant Infirmary, Balt., 1901–1902.—Clinical Asst. in Surgery, and Physician, Baltimore.

Howard Fletcher, A. B., Randolph-Macon, 1895, and Grad. Student, 1895–1896; Instructor in Histol., Univ. Coll. of Medi-

cine, Richmond, 1902-1903—Physician, Fairfax, Va.

Joseph Marshall Flint, S. B., Chicago, 1895; A. M., Princeton, 1900; Assoc., Univ. of Chicago, 1900-1901.—Prof. of Anatomy, Univ. of California.

William Patrick Healy, Ph. B., Yale, 1896; Interne, N. Y. City Hosp., 1900-1902; Gynecol. Interne, Roosevelt Hosp., N. Y., 1902-1903; Asst. Attending Surgeon, N. Y. Lying-in-Hosp., 1903-1904; Asst. in Gynecol. Vanderbilt Clinic, and Clin. Instr. in Gynecology, Coll. P. & S. (N. Y.), and Physician, N. Y.

*William Faithful Hendrickson, A. B., 1896; Asst. Demonstrator of Pathol. Univ. of Pennsylvania, 1900-1902.

Albion Walter Hewlett, S. B., California, 1895; Grad. Student, Univ. of Chicago, 1895-1896; House Physician, New York Hosp., 1900-1902.—Physician, San Francisco.

William Crissey Kellogg, A. B., Yale, 1896; Resident Physician, Soldiers' Home, Washington, 1900-1901.—Asst. in Pathol. and Lecturer on Dermatol., Univ. of Georgia; Secy. Richmond Co. Med. Soc. and Physician, Augusta, Ga.

Preston Kyes, A. B., Bowdoin, 1896, and A. M., 1900.—Assoc. in Mem. Inst. for Infectious Diseases; Fellow, Rockefeller Inst. for Exp. Med., and Asst. Prof. of Anatomy, Univ. of Chicago.

Leona Lebus, S. B., Wellesley, 1899.—Los Angeles, Cal.

Warren Harmon Lewis, S. B., Michigan, 1894, and Asst., 1894-1896; Asst., Instr., and Assoc., 1900-1904.—Associate Prof. of Anatomy.

Harry Wilson Little, S. B., Wabash, 1896; House Physician, Maternity, City and Epileptic Hosps., Blackwell's Island, N. Y., 1901-1903.—Evansville, Ind.

Ellen Louise Lowell, A. B., Stanford, 1896; Resident Physician, N. Y. Infirmary for Women and Children, 1900-1902; Asst. in Genl. Med. Clinic, Presbyterian Hosp. Disp., 1902-1903.—Asst. in Babies' Hosp. Disp., Chief of Clinic of Children's Medicine, Harlem Hosp. Out-Patient Dept. and Physician, New York.

John Bruce MacCallum, A. B., Toronto, 1896; Asst. in Anatomy, 1900-1902.—Asst. Prof. of Physiology, Univ. of California.

Mary Wilbur Marvell, S. B., Wellesley, 1894; Interne, New England Hosp., Roxbury, 1900-1901—Physician, Fall River, Mass.

Clara Meltzer (Mrs. John Auer), A. B., Barnard, 1896; Grad. Student, 1900-1901; Research Scholar, Rockefeller Inst. for Med. Research; Ophthalmologist, Harlem Hosp. Disp., 1901-1903.—Clinical Asst. N. Y. Eye and Ear Infirmary, and Physician, N. Y.

Clelia Duel Mosher, A. B., Stanford, 1893, and A. M., 1894; Asst., and Instr., in Hygiene, Stanford Univ., 1893-1896; Gynecological Asst., Dr. Kelly's Sanatorium, Baltimore, and Externe, 1900-1901.—Physician, Palo Alto, Cal.

Hannah Glidden Myrick, A. B., Smith, 1896; Interne, New England Hosp., Roxbury, 1900-1901.—Asst. Physician, N. Eng. Hosp., Roxbury; Physician, Dorchester, Mass.

*Edward Spiller Oliver, A. B., 1895; Physician, Saranac Lake, N. Y., 1900-1902.

Richard Foster Rand, Ph. B., Yale, 1896, and Grad. Student, 1895-1896; Resident House Officer, 1900-1901; Resident Surgeon, Parker Hosp., Univ. of Missouri, Columbia, 1901-1902.—Asst. in the Surg'l and Gynecol. Clinic, Yale Univ., and Physician, New Haven, Conn.

Dorothy M. Reed, B. L., Smith, 1895; Grad. Student, Mass. Inst. of Tech., 1895-1896; Resident House Officer, 1900-1901; Fellow in Pathol., 1901-1902.—Resident Physician, Babies' Hosp., N. Y.

Glanville Yeisley Rusk, A. B., 1896; Resident House Officer, 1900-1901; Asst. Physician, Sheppard and Pratt Hosp., Asst. in Psychiatry and Clinical Asst. in Neurology, 1902-1903.—Path. Institute, Ward's Island, N. Y.

Florence Rena Sabin, S. B., Smith, 1893, and Asst. in Zoology, 1895-1896; Resident House Officer, 1900-1901; Holder of Woman's Fellowship in Anatomy, 1901-1902; Asst. and Instr. in Anatomy, 1902-1903.—Associate in Anatomy.

William Francis Mattingly Sowers, A. B., Princeton, 1896; Resident House Officer, and Second Asst. Resident Surgeon, 1900-1903.—Asst. Resident Surgeon.

Ellen Appleton Stone, A. B., Radcliffe, 1895; A. M., Brown, 1896; Interne, Hosp. for Women and Children, Syracuse, N. Y., 1901-1905; Resident Physician, Children's Hosp., Buffalo, N. Y., 1902-1903.—Med. Inspector of Public Schools, and Physician, Providence, R. I.

Mortimer Warren, A. B., Bowdoin, 1896; Externe, City Hosp., Boston, 1900-1901.—Asst. Instr. in Clin. Pathol. Cornell Med. Sch. and Physician, New York.

Paul Gerhardt Woolley, S. B., Chicago, 1896; Resident House Officer, 1900-1901; Fellow in Pathol., McGill Univ., Montreal, 1901-1902.—Pathologist, Biol. Lab., U. S. A., Manila. (44)

1901

*Alexander Montague Atherton, A. B., Wesleyan, 1897; Resident Physician, Charity Hosp., Blackwell's Island, N. Y., 1901-1902; Physician, Honolulu, H. I.

Frederick Henry Baetjer, A. B., 1897; Resident House Officer, 1901-1902.—Asst. Resident Surgeon in Charge of Actinographic Dept. and Assistant.

William Dwight Baldwin, A. B., Yale, 1897; Clinical Asst. in Medicine, 1901-1902.—House Physician, St. Luke's Hosp., N. Y.

John McWilliams Berry, S. B., Cornell, 1897; Resident House Officer, 1901-1902.—Physician, Troy, N. Y.

Walter Herbert Blakeslee, A. B., Amherst, 1897, and A. M., 1903; Asst. Resident Physician, N. Y. Lying-in Hospital (6 months).—Asst. Med. Examiner, Penna. R. R. Relief Dept., Philadelphia.

Horace Dechamps Bloombergh, A. B., Lafayette, 1897; First Lieut. and Asst. Surgeon, U. S. A., Fort Bayard, N. M., 1901-1903.—Manila, P. I.

Thomas Richmond Boggs, S. B., Univ. of Georgia, 1896, and Grad. Student, 1896-1897; Resident House Officer, 1901-1902; Acting Asst. Resident Physician, 1902-1903.—Asst. Resident Physician in Charge of Med. Bact. Laby. and Asst. in Medicine.

John Robert Bosley, A. B., Western Md., 1896; Grad. Student, 1896-1897,—First Lieut. and Asst. Surg., U. S. A., Ft. Egbert, Alaska.

Charles Henry Bunting, S. B., Wisconsin, 1896, and Fellow, 1896-1897; Resident House Officer, 1901-1902; Asst. Demonstrator of Pathol., Univ. of Pa., 1902-1903.—Asst. Resident Pathologist and Instructor in Pathology.

Joel Ives Butler, Ph. B., Yale, 1897; Acting Resident House Officer, 1901-1902; Externe in Surg. Path. and Asst. in Anatomy, 1902-1903; Clinical Asst. in G.-U. Surg. 1903-1904; House Surgeon, Mass. Genl. Hosp., Boston.

Harry Wardell Carey, A. B., Yale, 1897; Asst. in Pathol., Bender Hygienic Lab., Albany, N. Y., 1901-1903.—Instructor in Surg. Pathol., Albany Med. Sch., and Dermatologist and Pathologist to the Samaritan Hosp., Troy, N. Y.

Eleanor Sarah Chace, S. B., Wellesley, 1894; Interne, Worcester, Memorial Hosp., 1902.—Physician, Fall River, Mass.

Robert Thornton Comer, A. B., Univ. of Alabama, 1896; Grad. Student, 1896-1897.—Physician, Birmingham, Ala.

Guy Leartus Connor, A. B., Williams, 1897.—Physician, Detroit, Mich.

Ray Connor, A. B., Williams, 1897; House Surgeon, Manhattan Eye and Ear Hosp., N. Y., 1902-1903.—Asst. Ophthalmologist, Children's Free Hosp., and Physician, Detroit, Mich.

George Silas Drake, Jr., A. B., Yale, 1897.—Resident Physician, Union Protestant Infirmary, Baltimore.

Adelaide Dutcher, S. B., Wisconsin, 1897; Asst. Obstetrician, Hosp. for Women and Children, and Physician, Syracuse, N. Y.

Harry Atwood Fowler, S. B., Minnesota, 1895; Resident House Officer, 1901-1902; Clinical Asst. in Genito-Urinary Diseases, 1902-1903.—Physician, Washington, D. C.

Frederick Parker Gay, A. B., Harvard, 1897; Fellow, Rockefeller Inst. for Med. Research; Asst. Demonstrator of Pathol., Univ. of Penna., 1901-1903.—Student, Institut Pasteur, Brussels.

Neil Duncan Graham, A. B., 1897.—Asst. in Obstetrics, Howard Univ., and Physician, Washington, D. C.

Gardner Wells Hall, A. B., Harvard, 1898; Clinical Asst. in Medicine, 1901-1902.—Physician, Boston

Louis Virgil Hamman, A. B., Rock Hill, 1896; Grad. Student, 1896-1897; House Physician, New York Hosp., 1902-1903.—Asst. Attend. Physician, City Asylum, Bay View; Chief of Med. Clinic; Asst. in Medicine, and Physician, Balt.

Rolland Frederick Hastreiter, S. B., Wisconsin, 1897; Resident House Officer and Clinical Asst. in Obstetrics, 1901-1902; Asst. in Anat. Wis. Coll. of P. & S., 1903-1904.—Physician, Los Angeles, Cal.

Joseph Henry Hathaway, A. B., Iowa Coll., 1894; A. B., Harvard, 1896, and A. M., 1897; Resident House Officer, 1901-1902; Resident Physician, The Glen Springs, Watkins, N. Y., 1902-1903.—Resident Physician, Boston Free Hosp. for Women.

James Morley Hitzrot, A. B., Princeton, 1897; Resident House Officer, 1901-1902; House Surgeon, New York Hosp., 1902-1903.—Instr. in Surg. Cornell Univ.; Chief of Clinic, N. Y. Hosp. Out-Patient Dept. and Physician, N. Y.

Gerry Rounds Holden, A. B., Yale, 1897; House Surg., Roosevelt Hosp., N. Y., 1902-1903.—Resident Gynecologist, and Assistant.

Edward Hicks Hume, A. B., Yale, 1897; John W. Garrett International Fellow in Pathol. and Bacteriol., Univ. Coll., Liverpool, 1901-1902; Third Asst. Surg. and Clinical Asst. in Medicine, 1902-1903.—Act. Asst. Surg., U. S. Public Health and Marine Hosp. Service, and Research Worker at Gov'm'nt Laboratory, Parel, Bombay, India.

William Bernard Johnston, A. B., Harvard, 1897; Asst. Resident Pathologist, 1901-1902.—Physician, Washington, D. C. (Europe.)

Harry M. Kaufman, A. B., 1897; Resident Physician, Jewish Hosp., Philadelphia, 1901-1902.—Consult. Physician, German Orphan Asylum; Externe, Emergency Hosp.; Demonstrator in Pathol. and Bacteriol., Columbian Med. Sch., and Physician, Washington, D. C.

Theodore Lamson, Ph. B., Yale, 1897; Asst. Resident Physician, Barnes Hosp., Washington, 1901-1902.—First Lieut. and Asst. Surg., U. S. A., Manila, P. I.

Dwight Milton Lewis, A. B., Yale, 1897; Medical House Officer, City Hosp., Boston, 1901-1902.—Asst. in Med. Clinic, New Haven Disp. and Physician, New Haven, Ct.

Warfield Theobald Longcope, A. B., 1897; Resident Pathologist, Penna. Hosp., Philadelphia, 1901-1903.—Director, Ayer Clinical Lab., Penna. Hosp., Philadelphia.

William Harvey Maddren, S. B., Brooklyn Polytech. Inst., 1896; Grad. Student, 1896-1897.—Asst. Visiting Surg., King's County and Coney Island Hospitals, and Physician, Brooklyn.

Elizabeth Sutton Moore, S. B., Wilson Coll., Pa., 1895; Grad. Student, Cornell, 1896-1897; Interne, New England Hosp., Boston, 1901-1902.—Pathologist, Passavant Hosp., and Physician, Pittsburg.

Henry Pickering Parker, A. B., 1896; Demonstrator of Pathol. and Bacteriol., Western Reserve Univ., 1901-1902; Resident Pathologist, Lakeside Hosp., Cleveland, O., 1902-1903; Interne, The Union Protestant Infirmary, Balt., 1903-1904.—Clinical Asst. in Med.; Physician, Robt. Garrett Hosp. for Children.

Maurice J. Rubel, S. B., Chicago, 1897; Resident House Officer, 1901-1902.—Physician, Chicago.

John Cleveland Salter, A. B., Yale, 1897; House Physician, St. Luke's Hosp., N. Y., 1901-1902; Resident Physician, N. Y. Lying-in Hosp., 1903-1904.—Physician, St. Louis.

Mabel Palmer Simis (Mrs. H. L. Ulrich), S. B., Cornell, 1897.—Physician, Minneapolis, Minn.

Josiah Morris Slemons, A. B., 1897; Resident House Officer and Clinical Asst. in Obstetrics, 1901-1902; Asst. Resident and Resident Obstetrician, 1902-1904.—Asst. and Instructor; Physician, Balt.

Herbert Meloy Smith, A. B., Roanoke, 1892, and A. M., 1897; Grad. Student, 1894-1895.—First Lieut. and Asst. Surgeon, U. S. A., Manila, P. I.

Charles Nelson Spratt, S. B., Minnesota, 1897; Resident House Officer, 1901-1902; House Surgeon, New York Eye and Ear Infirmary, 1902-1903.—Senior House Surg. Mass. Charitable Eye and Ear Infirmary, Boston, 1903-1904.—Physician, Minneapolis, Minn.

Albert Louis Steinfeld, A. B., 1897; Director, Histol. and Pathol. Laboratories, and Resident Physician, Lucas Co. Hosp., Toledo, O., 1901-1902.—Prof. of Histol. and Pathol., Toledo Med. Coll.; District Physician and Physician, Toledo, O.

Carlotta Mary Swett, A. B., Wellesley, 1896; Grad. Student, Maine State Coll., 1896; Interne, New England Hosp., Boston, 1901-1902.—Physician, Bangor, Me.

Henry Ludwig Ulrich, S. B., Rutgers, 1897; Prof. of Pathol. and Histol., Univ. of Dallas, Texas, 1901-1902; Pathologist, Swedish Hosp., Asst. in Clin. Microscopy, Univ. of Minnesota, and Physician, Minneapolis.

Albert James Underhill, A. B., 1897.—Clinical Asst. in Medicine; Physician, Baltimore.

Marian Bartholow Walker (Mrs. Marian Walker Williams), A. B., Radcliffe, 1898.—Physician, Hartford, Conn.

Louis Marshall Warfield, A. B., 1897; Resident House Officer, 1901-1902.—Medical Referee, Mutual Life Insurance Co., and Physician, St. Louis, Mo.

George William Warren, A. B., 1897.—Physician, New York.

Stephen Hurt Watts, A. M., Randolph-Macon, 1896; Student, Univ. of Virginia, 1896-1897; Resident House Officer, 1901-1902.—Asst. Resident Surgeon.

Ernest Alden Wells, A. B., Yale, 1897; House Surgeon, New York Hosp., 1901-1902.—Med. Exam. Conn. Mut. Life Ins., N. Y. Life Ins., Union Casualty, Travelers Ins., and Md. Casualty Co.; Asst. Pathologist and Bacteriol. to Hartford Hosp. and Physician, Hartford, Conn.

Mabel Wells, A. B., Wellesley, 1896; Student, Univ. of Zürich, 1897.—Highlands, N. C.

John Montgomery West, A. B., 1896.—Student, Univ. of Berlin.

Charles Knickerbacker Winne, Jr., A. B., 1897; Externe, 1901-1902; Acting Resident House Officer; Asst. Res. Physician, Thos. Wilson Sanitarium, 1902-1903.—Instructor in Bacteriol., Albany Med. Col. and Asst. in Bender Hygienic Lab., Albany, N. Y. (53)

1902

John Auer, S. B., Michigan, 1898; Resident House Officer, 1902-1903.—Research Fellow of the Rockefeller Institute for Medical Research, and Physician, N. Y.

John Bradford Briggs, Jr., S. B., New York Univ., 1898; Resident House Officer, 1902-1903; Asst. in Medicine, 1903-1904.—Physician, Washington, D. C.

Bennett Bernard Browne, Jr., A. B., 1898.—Clinical Asst. in Ophthalmology and Otology; Asst. Ophthalmologist, Balt. Eye, Ear and Throat Charity Hosp., and Physician, Baltimore.

Robert Martin Bruna, A. B., Univ. of Virginia, 1896; Grad. Student, 1897-1898; Asst. Resident Physician, Springfield State Hosp., Sykesville, Md., 1902-1903.—Physician, Balt.

William Morgan Case Bryan, A. B., Washington Univ., 1897; M. S., Michigan, 1898.—Resident Physician, German Hosp., Philadelphia.

Camillus Bush, S. B., California, 1898: Resident House Officer, 1902-1903; Asst. Res. Surgeon, 1903-1904.—Physician, San Francisco, Cal.

John Woolman Churchman, A. B., Princeton, 1898, A. M., 1901; Resident House Officer, 1902-1903.—Clinical Asst. in G.-U. Surgery, and Physician, Baltimore.

Thomas Wood Clarke, A. B., Harvard, 1899; Resident House Officer, 1902-1903.—Resident Physician, Lakeside Hosp., Cleveland.

Henry Wireman Cook, A. B., 1898; Resident House Officer, 1902-1903.—Visiting Physician, Senior Staff Memorial Hosp.; Vice-Prest. Amer. Assoc. Life Insurance Exam. Surgeons, and Physician, Richmond, Va.

Jacob Jones Coons, S. B., Ohio Wesleyan, 1898; Clinical Asst. in Medicine, Asst. Resident Surgeon, N. Y. Lying-in Hosp., 1902-1903; Asst. Resident Surgeon, Kensington Hospital, Phila., 1903-1904.—Asst. in Medicine, Ohio Med. Univ. and Physician, Columbus, O.

Gustavus Charles Dohme, A. B., 1898.—Assoc. Prof. of Chemistry, Maryland Med. Col. and Physician, Baltimore.

David Hough Doliey, A. B., Randolph-Macon, 1897, and A. M., 1898; Resident Pathologist, St. Vincent's Charity Hosp., 1902-1903.—Asst. Demonstrator of Pathol., West. Reserve Univ., and Resident Pathologist, Lakeside Hosp., Cleveland.

Ralph Duffy, A. B., 1898.—Pathologist, Western Penna. Hosp., and Physician, Pittsburg.

John Dunlop, S. B., Princeton, 1898; Asst. Resident Surgeon, Union Prot. Infirmary; Externe in Surgery, 1902-1903.—Interne, Orthopedic Hosp., Boston.

William Gage Erving, A. B., Yale, 1898; Orthopedic House Surgeon, Carney Hosp., Bolton, 1902-1903.—Physician, Washington, D. C.

Newell Simmons Ferry, Ph. B., Yale, 1898;

Asst. Resident Surgeon, Barnes Hosp., Washington, D. C., 1902-1903.—Director of Pathol. Lab. and Asst. in Medicine, Memphis Hosp. Med. Coll. and Physician, Memphis, Tenn.

Nellis Barnes Foster, S. B., Amherst, 1898. —Asst. Resident Physician, New York Hosp., 1903-1904.—Clin. Asst. in Applied Therapeutics, Coll. of P. and S. and Physician, New York.

William Willoughby Francis, A. B., 1898. —Resident House Physician, Royal Victoria Hosp., Montreal, Can., 1902-1904.—Asst. in Pathology.

Maurice Albert Frankenthal, A. B., Washington Univ., 1898.—Resident Physician, Jewish Hosp., and Pathologist, Bethesda Homes, St. Louis.

W. Harry Glenny, Ph. B., Yale, 1894.—Demonstr. in Pathol. Med. Dept. Univ. of Buffalo, and Asst. Attend. Physician and Supervisor of Records, Buffalo Genl. Hosp., and Physician, Buffalo, N. Y.

Clarence Foster Hardy, B. L., Wisconsin, 1891; Interne, Mercy Hosp., Pittsburgh (four months).—Instructor in Surgery, Wisc. Coll. P. & S. and Physician, Milwaukee, Wis.

Morrison LeRoy Haviland, Ph. B., Union Coll., 1898; Resident Surgeon, Society of the Lying-in Hosp.. New York; Resident House Officer, 1902-1903.—Physician, Glens Falls, N. Y.

Mabel Stevens Haynes, A. B., Bryn Mawr, 1898.—Physician, Boston.

Leonard Keene Hirshberg, A. B., 1898.—Assoc. in Nervous Diseases and Instr. in Bacteriology, Coll. of P. & S., Balt.: Chief of Nervous Clinic, City Hosp.; Visiting Physician, City Asylum, Bay View, and Hebrew Hosp.; Physician-in-Chief, Benevolent Soc.; and Physician, Baltimore.

Carl Herman Horst, A. B., Stanford, 1898; Resident House Officer, 1902-1903.—State Bacteriologist and Physician, Butte, Mont.

Solomon Hyman, S. B., California, 1898.—Junior House Surgeon, Mount Sinai Hosp., N. Y.

William Frederick Jelke, Ph. B., Yale, 1898; Asst. Resident Surgeon, Lakeside Hosp., Cleveland, 1902-1903.—Physician, Cincinnati.

Thomas Monroe Jones, A. B., Indiana Univ., 1898.—Interne, King's Co. Hosp., Brooklyn.

Alfred Karsted, A. B., Stanford, 1898.—House Surgeon, German Hosp., N. Y.

Arthur Herbert Kimball, S. B., Amherst, 1897, and A. M., 1903; Resident Physician, Eye, Ear and Throat Charity Hosp., Baltimore, 1902-1903.—Visiting Oculist to the Gov'm'nt Hosp. for the Insane; Asst. in Ophthalmology, Geo. Washington Hosp. Disp., and Episcopal Eye and Ear Hosp. and Physician, Washington, D. C.

Louis Charles Lehr, A. B., 1898.—Clinical Asst. in G.-U. Surg. and Asst. in Gynecol. Dr. Kelly's Sanitorium, 1902-1904.—Physician, Washington.

Edward McCrady L'Engle, A. B., St. John's, 1897; Grad. Student, 1897-1898; Asst. Resident Physician, Phila. Polyclinic Hosp., 1902-1903.—Europe.

George Victor Litchfield, Jr., A. M., Randolph-Macon, 1897; Surgeon to Lick Creek and Lake Erie R. R., and Dawson Coal and Coke Co.; St. Paul, Va., 1902-1903.—Physician, Abingdon, Va.

Emma Lootz (Mrs. W. G. Erving), A. B., Smith Coll., 1897.—Physician, Washington, D. C.

Seymour DeWitt Ludlum, S. B., Rutgers, 1897; Clinical Asst. Sheppard and Pratt Hosp., Towson, Md., 1902-1903.—First Asst. Resident Physician, Friends' Asylum for the Insane, Frankford; Clin. Asst. in Neurol., Phila. Polyclinic; Pathologist, Frankford Gen. Hosp., Philadelphia.

Annie Galloway Lyle, A. B., Stanford, 1895; Univ. of Vienna, 1902-1903.—Asst. in Children's Clinic, Univ. of Calif., and Physician, San Francisco.

George Malcolm MacGregor, S. B., Wisconsin, 1894.—Physician, Mondovi, Wis.

Samuel Andrew Marshall, A. B., Yale, 1898; House Surgeon, House of Relief of N. Y. Hosp., N. Y., 1902-1903.—Externe, Hudson St. Hosp., and Physician, N. Y.

John Scott McFarland, Ph. B., Yale, 1898. Physician, Buffalo, N. Y.

Edmund Webster Meisenhelder, A. B., Penna. Coll., 1898; Harvard Summer School, 1898; Resident House Officer, 1902-1903; Interne, Barnes Hosp., U. S. Soldiers' Home, Washington, D. C., 1903-1904.—Resident Physician, Lakeside Hosp., Cleveland, O.

John Elmer Meisenhelder, S. B., Penna. Coll., 1897; Grad. Student, 1897-1898.—House Surgeon, Moses Taylor Hosp., Scranton, Pa., 1903-1904.—Resident Surgeon, Barnes Hosp., U. S. Soldiers Home, Washington, D. C.

*Henry William Ochsner, S. B., Wisconsin, 1898; Resident House Officer, 1902-1903.

Edward Hiram Reede, A. B., Cornell, 1898. —First Resident Surgeon, St. Luke's Hosp., N. Y.

Edwin Nicholas Riggins, A. B., Williams, 1897; Interne, Hudson St. Hosp., N. Y., 1903-1904.—Physician, E. Orange, N. J.

Carey Pegram Rogers, A. B., Wake Forest Coll., 1897; Grad. Student, 1897-1898; Resident House Officer, 1902-1903.—Surg., Jacksonville, Fla.

Stephen Rushmore, A. B., Amherst, 1897; Externe, 1902-1903; Asst. Resident Gynecologist, 1903; House Physician, Hudson St. Hosp., N. Y., 1903-1904.—House Surgeon, St. Mary's Hosp. for Children, N. Y.

George Barr Scholl, A. B., 1898; Externe, 1902-1903.—Assoc. Prof. of Pathol., Bacteriol. and Clin. Microscopy, Maryland Med. Coll.; Pathologist to Franklin Sq. Hosp., and Physician, Baltimore.

Melville Silverberg, A. B., California, 1897; Asst. in Physiol. Chem., Cooper Med. Coll., San Francisco, 1902-1903; House Officer, City Hosp., Boston, 1903-1904.—Europe.

John Nathan Simpson, A. B., Univ. of Nashville, 1893.—Prof. of Physiology, West Virginia Univ., Morgantown.

Harry Merriman Steele, Ph. B., Yale, 1894; Asst. in Pediatrics, Univ. and Bellevue Hosp. Med. Coll., N. Y. (Summer of 1902).—Asst. in Pediatrics and Pathol., Yale Med. Sch.

Alice Weld Tallant, A. B., Smith Coll., 1897; Grad. Student, Mass. Inst. of Tech., 1897-1898; Interne, New England Hosp., Roxbury, Mass., 1902-1903; Med. Examiner for the Gymnasium, Bates Coll., Lewiston, Me., 1903-1904.—Asst. Physician, Disp. of the New Eng. Hosp., and Physician, Boston.

Condit Brewer Van Arsdall, A. B., Kentucky Wesleyan, 1894, and A. M., 1898; A. B., Michigan, 1898.—Physician, Harrodsburg, Ky.

John Van Denburgh, A. B., Stanford, 1894, A. M., 1895, and Ph. D., 1897.—Hon. Curator, Dept. of Herpetology, Cal. Acad. of Sciences; Act. Chief of Children's Clinic, San Fran. Polyclinic, 1902-1903.—Visiting Physician, King's Daughters' Home for Incurables, and Physician, San Francisco.

Otis Buckminster Wight, A. B., Stanford, 1898; Resident House Officer, 1902-1903.—Med. Referee, Mutual Life Ins. Co. of N. Y., and Physician, Portland, Ore.

Clara Louise Williams, S. B., California, 1897, and M. S., 1898; Interne, St. Luke's Hosp., San Francisco, 1902-1903.—Physician, Berkeley, Cal.

Dudley Williams, A. B., 1897; Grad. Student, 1897-1898.—Grad. Student (Pathol.), Harvard Med. School, 1902-1903.—Clinical Asst. in Med. and Physician, Balt.

Charles Benjamin Wright, A. B., Univ. of North Dakota, 1898; Resident House Officer, 1902-1903.—Clin. Instr. in Pediatrics, Med. Dep. Univ. of Minn., and Physician, Minneapolis. (57)

1903

Victor Hugo Bassett, A. B., Knox, 1896; Graduate Student, Universities of Wisconsin and Michigan, 1897-1898; Instr. in Bacteriol. and Clin. Pathol., Northwestern Univ., Chicago, 1903-1904.—Fellow in Pathology.

Lewis Clyde Bixler, A. B., Lafayette, 1899, and A. M., 1902; Resident House Officer, 1903-1904.—Physician, Pittsburg.

Elisabeth Hedges Blauvelt, A. B., Bryn Mawr, 1896.—Interne, N. Y. Infirmary for Women and Children, N. Y.

Clinton Ethelbert Brush, Jr., S. B., New York Univ., 1899; Resident House Officer, 1903-1904.—Asst. in Medicine, and Physician, Balt.

Joseph Albert Chatard, A. B., Loyola, 1898; Graduate Student, 1898-1899; Asst. Resident Physician, St. Joseph's Hospital, 1903-1904.—Chief of Med. Clinic, and Physician, Balt.

George Edward Chinn, Jr., S. B., Central Coll. (Mo.), 1899; Clinical Asst., Sheppard and Pratt. Hosp., Towson, Md., 1903-1904.—Physician, Norfolk, Va.

Alfred Hull Clark, A. B., Cornell, 1899.—House Surgeon, The Hartford Hosp., Hartford, Conn.

William Burgess Cornell, A. B., Chicago, 1899.—Externe; Clinical Asst., Sheppard and Pratt Hosp., Towson, Md.

Emma Grace Dewey, S. B., Wellesley, 1885 and A. M., 1894; Graduate Student, Chicago, 1898-1899; Interne, The Babies' Hosp., N. Y.; Rockefeller Institute for Med. Research (Summer, 1903).—Pathologist. Passavant Mem. Hosp. and Physician, Jacksonville, Ill.

Harlan Dudley, Ph. B., Oberlin, 1897; Graduate Student, 1898.—Physician, Canton, O.

Dana Lee Eddy, A. B., Yale, 1898.—Physician, Leavenworth, Kans.

Roades Fayerweather, A. B., Harvard, 1899; Orthopedic House Surg., Carney Hosp., 1903-1904.—Physician, Boston.

John Somerville Fischer, A. B., 1898, and Graduate Student, 1898-1899; Asst. Resident Physician, St. Joseph's Hosp., Balt., 1903-1904.—Chief, Med. Clinic, St. Joseph's Hosp. Disp., and Physician, Baltimore.

Frederick Julius Gaenslen, S. B., Wisconsin, 1899.—Interne, German Hosp., N. Y.

Lewis McFarland Gaines, A. B. and S. B., Hampden-Sidney, 1898; Grad. Student, Univ. of Virginia, 1898-1899; First Asst. Surgeon, R. I. Hosp., Providence, and House Physician, Providence Lying-in Hosp. (3 months), 1903-1904.—Med. Ex. Mutual Life Ins. Co., Wash. Life Ins. Co. and Surgeon, Atlanta, Ga.

John Timothy Geraghty, A. B., St. Thomas Coll., 1895; Ph. B., St. Paul Seminary, 1897; Grad. Student, 1897-1898; Resident House Officer, 1903-1904.—Physician, Baltimore.

Francis Colquhoun Goldsborough, S. B., Princeton, 1899; Resident House Officer, 1903-1904.—Asst. Res. Gynecologist.

Justin Frank Grant, Ph. B., Yale, 1898.—Asst. Prof. of Anatomy and Pathology, Univ. of W. Va., Morgantown.

Louis Wardlaw Haskell, Jr., A. B., 1899; Externe in Surgery, 1903-1904.—Physician, N. Y.

Arthur Douglass Hirschfelder, S. B., California, 1897; Student in Paris and Heidelberg, 1898-1899; Resident House Officer, 1903-1904.—Asst. in Medicine, Cooper Med. Coll.; Asst. Physician to City and County Hosp. and Physician, San Francisco.

Ross Hopkins, A. B. and S. B., Campbell Univ., 1897; A. B., Kansas State Univ., 1899; Graduate Student, Chicago, 1899.—Physician, St. Louis.

Henry Talbot Hutchins, A. B., Amherst, 1899; Resident House Officer, 1903-1904.—Asst. Resident Gynecologist.

Clement Levi Jones, S. B., Washington and Jefferson, 1899.—Instr. in Biol. and Embryol., Starling Med. Coll. and Clinical Microscopist to Mercy Hosp. and Physician, Columbus, O.

Louise Tayler Jones, A. B., Wellesley, 1896; M. S., Columbian, 1898—Attend. Physician, Nat. Florence Home; Clin. Asst. Emergency Hosp. and Physician, Washington, D. C.

Albert Keidel, A. B., 1900.—Clinical Asst. in Medicine and Physician, Baltimore.

Maurice Lazenby, A. B., 1900.—House Physician, Church Home and Infirmary, Baltimore.

Arthur Solomon Loevenhart, S. B., Kentucky State Coll., 1898, and M. S., 1899; Assistant in Physiol.-Chemistry, 1903-1904.—Associate.

Henry D. Long, A. B., Washington and Jefferson, 1894, and A. M., 1897; Cornell Univ. Summer School, 1897; Resident House Officer, 1903-1904. — Physician, Greensburg, Pa.

Margaret Long, A. B., Smith, 1895; Grad. Student, Mass. Inst. Tech., 1896-1897; Interne, N. Y. Infirmary for Women and Children, 1903-1904. — Physician, Hingham, Mass.

Edward Janney Sidwell Lupton, S. B., Columbian, 1899; First Asst. Resident Physician, Columbia Hosp., Washington, D. C., 1903-1904.—Physician, Martinsburg, W. Va.

Leo Augustine Lynch, A. B., Yale, 1899; Asst. House Surgeon, Society of the Lying-in Hosp., N. Y., 1903-1904.—Interne, City Hosp., Blackwell's Isl., N. Y.

William Sanders Manning, S. B., Columbian, 1899: Clinical Asst., The Emergency Hosp., Washington, D. C., 1903-1904.—Physician, Jacksonville, Fla.

Watson Marshall, A. B., Princeton, 1899.—Physician, Pittsburg.

Robert Talbott Miller, Jr., A. B., Amherst, 1899; Resident House Officer, 1903-1904. —Asst. Resident Surgeon.

Mary Elizabeth Morse, A. B., Woman's Coll. of Balt., 1899; House Officer, N. E. Hosp. for Women and Children, Boston, 1903-1904; Resident Physician, Evening Disp. for Working Women, Balt., 1904-1905.—Interne, East. Mich. Asylum for the Insane, Pontiac.

Willis Bean Moulton, A. B., Bowdoin, 1899; Resident House Officer, 1903-1904. —Physician, Portland, Me.

Harry Benjamin Neagle, A. B., Bowdoin, 1899.—Asst. Physician, The Loomis Sanatorium, Liberty, N. Y.

Selden Irwin Rainforth, S. B., Univ. of Cincinnati, 1899, and A. M., 1900.—Senior House Surgeon, Presby. Hospital, N. Y.

Theodore Foster Riggs, A. B., Beloit, 1898; Resident House Officer, 1903-1904.—Asst. Resident Physician, Union Prot. Infirmary, Baltimore.

Benjamin Franklin Riley, Jr., S.B., Univ. of Georgia, 1898.—Physician, Atlanta, Ga.

George Canby Robinson, A. B., 1899.—Asst. Demonstrator of Anatomy, Cornell Univ., Ithaca, N. Y., 1903-1904.—Resident Pathologist, Penna. Hosp., Philadelphia.

Marvin Pierce Rucker, A. M.; Randolph-Macon, 1899; Virginia Med. Coll., 1899-1900. — Demonstrator in Physiology, Medical Coll. of Virginia; Junior Attendant, in Internal Med., Memorial Hosp.; Prest. Board of Health, and Physician, Manchester, Va.

Ferdinand Schmitter, A. B., Union Coll., 1899.—Instr. in Anatomy, Univ. of Wisconsin, Madison.

Oscar Theodore Schultz, A. B., Indiana Univ., 1897.—Pathologist, Charity Hosp., and Demonstr. of Pathol., Western Reserve Univ., Cleveland.

Winford Henry Smith, A. B., Bowdoin, 1899.—Resident Gynecologist, The Lakeside Hospital, Cleveland.

Alexander Raymond Stevens, A. B., 1896; Resident House Officer, 1903-1904.—Director of Analytical Lab. of Fraser & Co., N. Y.

Catherine Hutchinson Travis, A. B., McGill, 1895; Grad. Student, Harvard Summer Sch., 1899.—House Officer, N. E. Hosp. for Women and Children, Boston.

Frank Hosford Watson, S. B., Wisconsin, 1899; Resident House Officer, 1903-1904. —Chief of Med. Clinic and Clin. Asst., Tulane Med. Coll., and Physician, New Orleans.

Charles Whittier Young, S. B., Univ. of Illinois, 1897; Resident House Officer, 1903-1904.—Med. Missionary, Poutingfou, China. (49)

1904

Jay Harvey Bacon, S. B., Knox, 1900.—Pathologist, Lakeside Hospital, Cleveland.

Theodore Baker, A. B., Princeton, 1900.—Physician, Pittsburgh.

Robert Bennett Bean, S. B., Va. Polytech. Inst., 1900.—Assistant in Anatomy.

Ruth Bennett (Mrs. Ruth Bennett Morgan), A. B., Univ. of Illinois, 1899, and Graduate Student, 1899.—Med. Missionary, Hsu Chau-fu, Kiang-su Prov., China.

John McFarland Bergland, S. B., Princeton, 1900.—Interne in Obstetrics.

Maurice Buford Bonta, A. B., Ky. Wesleyan Coll., 1894; S. B., Michigan, 1897. —Resident House Officer.

Walter Vernon Brem, Jr., S. B., Univ. of N. Carolina, 1896; Med. Dept. 1898-1900. —Resident House Officer.

Julius Alexander Caldwell, Jr., S. B., Univ. of N. Carolina, 1899, Med. Dept. 1899-1900, and Summer Sch., 1900.—Resident House Officer.

John Robert Carr, A. B., Univ. of N. Carolina, 1899, Med. Dept., 1899-1900, and Summer Sch., 1900.—Resident House Officer.

DeWitt Bellinger Casler, A. B., Yale. 1900.—Resident House Officer.

Ralph Torrey Edwards, A. B., Knox, 1897, and A. M., 1899.—Physician, Warsaw, Ill.

Anfin Egdahl, S. B., Wisconsin, 1900.—Instr. in Pathol. and Bacteriol., Coll. of Med., State Univ. of Iowa, Iowa City.

Harold Gould Garwood, S. B., Univ. of Colorado, 1900, and Med. Dept., 1900-1901.—Resident House Officer, Minnequa Hosp., Pueblo, Colo.

Herbert Ziegler Giffin, S. B., Princeton, 1900.—Resident House Officer.

Harry Seliger Greenbaum, A. B., 1899; Student, Univ. of Berlin, 1899-1900.—Physician, Baltimore.

Josephine Hemenway, A. B., Pritchett Coll., 1898; Bryn Mawr, 1899-1900.—Resident House Officer.

William Raphael Kellogg, A. B., Adelbert,

1898.—Resident Physician, Seattle Gen. Hosp., Seattle, Wash.

Kenelm Julius Lee, S. B., Wisconsin, 1900. —Physician, Renville, Minn.

John Marion Love., A. B. and B. L., Hampden-Sidney, 1899; Grad. Student, 1899-1900.—Clin. Asst. in Ophthalmology, Balt. Eye, Ear and Throat Charity Hosp.

Wilfred Hamilton Manwaring, S. B., Michigan, 1895, Summer Sch., 1896-97, Univ. of Chicago, Summer Qr., 1899, 1900 and 1901.—Fellow and Asst. in Pathol., Univ. of Chicago.

Herman Weston Marshall, S. B., Mass. Institute Tech., 1897.—Resident House Officer.

William Carpenter McCarthy, S. B., Kentucky State Coll., 1900.—Grad. Student, Univ. of Berlin.

Ernest Clare McGouldrick, A. B., Yale, 1900.—Interne, Barnes Hosp., Washington, D. C.

Lorenzo Seymour Morgan, S. B., Knox, 1900.—Medical Missionary, Hsu Chau-fu, Kiang-su Prov., China.

James Francis Morrison, A. B., Harvard, 1900.—Resident Physician, Kings Co. Hosp., Brooklyn, N. Y.

Norman Oscar Nelson, S. B., Wisconsin, 1900.—Resident Physician, Seattle Gen. Hosp., Seattle, Wash.

James Henry Randolph, A. B., Fla. State Coll., 1900.—Clinical Asst., The Sheppard and Enoch Pratt Hosp., Towson.

Jewett Villeroy Reed, S. B., Kentucky State Coll., 1900.—Resident House Officer.

Charles Mallory Remsen, A. B., 1899, and Grad. Student, 1899-1900. —Resident House Officer.

William Gray Ricker, A. B., Yale, 1900.—House Surgeon, Montreal Gen. Hosp., Montreal, Can.

Esther Rosencrantz, A. B., Leland Stanford Jr., 1899; Barnard Coll., 1899-1900. —Interne, N. Y. Infirmary for Women and Children.

Ernest Sachs, A. B., Harvard, 1900.—Interne, The Mount Sinai Hosp., New York.

Orville Hickok Schell, A. B., Yale, 1900.—Interne, The Mount Sinai Hosp., New York.

Harry Russell Stone, Ph. B., Wesleyan Univ., 1899.—Interne, Hudson St. Hosp., New York.

Henry John Storrs, A. B., Amherst, 1899. —Interne in Obstetrics.

George Lane Taneyhill, Jr., A. B., 1900.—Externe and Physician, Balt.

Benjamin Taylor Terry, A. B., Vanderbilt, 1898, and A. M., 1900; Univ. Chicago, Summer Qr., 1900.—Fellow in Pathol., Univ. of Chicago.

William Lawton Thompson, A. B., Bowdoin, 1899.—House Surgeon, City Hosp., Worcester, Mass.

George Thomas Tyler, Jr., A.B., Randolph-Macon, 1896, and A. M., 1897; Summer Sch. Columbian Univ., 1899.—Interne, Union Prot. Infirmary, Balt.

William Jerome Vogeler, A. B., Yale, 1900. —Resident Physician, St. John Riverside Hosp., Yonkers, N. Y.

Robert Glendenning Washburn, S. B., Wisconsin, 1900; Wisc. Coll. P. & S. 1900-1901.—Asst. Demonstr. of Anat., Wisc. Coll. P. & S. and Physician, Milwaukee.

Louis Schneider Weaver, A. B., Penna. Coll., 1899, and Yale, 1900.—Second Med. Asst. Rhode Island Gen. Hosp., Providence.

John Scott Willock, S. B., Princeton, 1900. —Resident Physician, Allegheny Gen. Hosp., Allegheny, Pa.

Walter Scott Wilson, A. B., N. Ga. Agricult. Coll., 1880; A. M., Univ. of Ga., 1884; Grad. Student, 1893-1894, and Univ. of Chicago, 1896-1897.—Physician, Savannah, Ga.

Winfred Wilson, A. B., Weatherford Coll., 1900.—Prof. of Anat. Ft. Worth Med. Coll., and Physician, Fort Worth, Texas.

MASTER OF ARTS (HONORARY)

1902

William Thomas Councilman, M. D.
Benjamin Ives Gilman, A. B.
John M. Glenn, A. M.
Clayton Colman Hall, LL. B.
Theodore Marburg.
William L. Marbury.
Robert Lee Randolph, M. D.
Lawrason Riggs, A. B., LL. B.
Henry M. Thomas, M. D.
Julian LeRoy White, A. M.

BACHELOR OF ARTS

(When the institution is not named, this university or the Johns Hopkins Hospital is to be understood. (F) indicates that the person has held a fellowship here. *Died.)

1879

George Washington McCreary.—Asst. Sec. and Librarian, Md. Hist. Soc., Baltimore.
Chase Palmer, (F), Ph. D., 1882; Asst., Mass. Inst. Tech., 1882-83, Tufts Coll., 1887-88; Prof., Mass. Norm. Sch., Salem, 1883-87, Wabash Coll., 1888-90, Manual Train. Sch., Louisville, 1895-1901.—Prof. Chem., Central Univ., Danville, Ky.
Edward Henry Spieker, (F), Ph. D., 1882. —Assoc. Prof. Greek and Latin.

(3)

1880

Rev. Thomas Milton Beadenkopf, B. D., Yale, 1885.—Clergyman, Balt.
Allen Kerr Bond, M. D., Univ. of Md., 1882.—Physician, Balt.
William Cathcart Day, (F), Ph. D., 1883; Prof. Chem., St. John's, 1883-84, Univ. of Nashville, 1884-87, Swarthmore, 1887-1901.
Henry Laurence Gantt, M. E., Stevens Inst., 1884.—Mechan. Eng., Schenectady, N. Y.
Edgar Goodman, LL. B., Univ. of Md., 1881.—Editor, *The Baltimore American*.
Rev. Carl Eckhardt Grammer, Va. Theol. Sem., 1884; S. T. D., Trinity (Conn.), 1895; Prof., Va. Theol. Sem., 1887-97.—Clergyman, Norfolk, Va.
Alexander Fridge Jamieson.—Latin Master, Lawrenceville School, N. J.
*Edmund Allen Jarvis. **October* 15, 1880.
Stewart Brian Linthicum, LL. B., Univ. of Md., 1882.—Atty. at Law, Portland, Ore.
John Hanson Lowe, LL. B., Univ. of Md., 1882.—Atty. at Law, Balt.
Rev. Leigh Clinton Morgan.—Clergyman, N. Y.
*Nelson Palmer. **June* 12, 1886.
Thomas Pettigrew.—Civil Engr., Clarksburg, W. Va.
Harry Fielding Reid, (F), Ph. D., 1885; Prof., Case School, 1886-94; Assoc. Prof., Chicago, 1895-97.—Prof. Geol. Physics.
Wiltz Raymond Stricklen. **December* 19, 1900.
Lewis Webb Wilhelm, (F), Ph. D., 1884.—Vice-Prin., College Prep. Sch., Baltimore.

(16)

1881

William Wilson Baden, (F), LL. B., Univ. of Md., 1883; Ph. D., 1892; Prof., Southwestern Univ., 1892-93, Central (Ky.), 1893-96.—Prof. Latin, Idaho Univ., Moscow.
Henry Johns Bowdoin, LL. B., Univ. of Md., 1883.—Baltimore.
John Wilson Brown.—Philadelphia, Pa.
David Talbot Day, (F), Ph. D., 1884.—U. S. Geol. Survey, Washington.
William Henry Howell, (F), Ph. D., 1884; Mich. (Hon. M. D., 1890, Lecturer and Prof., 1889-92); LL. D., Trinity, 1901; Assoc. Prof., Harvard, 1892-93.—Prof. Physiol., and Dean, Med. Faculty.
John Hemsley Johnson, LL. B., Univ. of Md., 1887.—Atty. at Law, Balt.
*James Edward Keeler, D. Sc., Univ. of Cal., 1893; Fellow, Royal Astron. Soc. of London; Allegheny Observ., 1882-86; Lick Observ., 1886-91; Rumford Medalist, Amer. Acad. Arts and Sci., 1898; Prof., Western Univ. of Pa., and Director, Allegheny Observ., 1891-98; Director, Lick Observ., 1898-1900. **August* 12, 1900.
Rev. Edwin George Richardson.—Clergyman, Milwaukee, Wis.
*Adoniram Judson Robinson, LL. B., Univ. of Md., 1885; Instr., Balt. City Coll., 1881-87. **November* 23, 1904.
*Henry Rolando, M. D., Univ. of Md., 1883. **October* 4, 1888.
Lee Sale, LL. B., Wash. Univ., 1885; Instr., Louisville High School, 1881-83.—Atty. at Law, St. Louis; Lecturer, Wash. Univ.
Mactier Warfield, M. D., Univ. of Md., 1884. —Physician, Balt.; Instr. Laryngology.

(12)

1882

William Hughlett Adkins, LL. B., Univ. of Md., 1883.—Atty. at Law, Easton, Md.
Thomas Alexis Berry.—Baltimore.
Gustav Bissing, (F), Ph. D., 1885; Examiner, U. S. Patent Office, 1884-93.—Patent Atty., Washington.
Walter Bernard Clarkson, Lecturer and Asst. Prof. Law, Yale, 1901-03.—Atty. at Law, Jacksonville, Fla.
Herman Louis Ebeling, (F), Ph. D., 1891; Prof. Miami Univ., 1891-99; Instr. and Acting Prof., Haverford, 1901-03.—Asst. Prof. Greek, Hamilton Coll., Clinton, N. Y.
Louis Garthe.—Journalist, Wash.
Edward Ingle.—Editor, Balt.

*Richard Fuller Kimball, LL. B., Univ. of Md., 1884. **January* 1, 1905.
*Gustav Adolph Liebig, Jr., (F), Ph. D., 1885, Asst. 1887-90. **February* 10, 1897.
Charles William Emil Miller, (F), Ph. D., 1886.—Assoc. Prof. Greek.
James Page.—U. S. Hydrographic Office, Washington.
Albert Gallatin Palmer, (F), Ph. D., 1885; Asst. and Asst. Prof. Chem., Swarthmore, 1885-87.—Norwood, Md.
Robert Miller Reese.—Dept. of. Agric., Washington.
*Louis Tebbetts Stevens, (F), M. D., Harvard, 1887; late Lecturer, Wash. Univ. **February* 9, 1898.
Herbert Thorndyke Tiffany, LL. B., Univ. of Md., 1885.—Atty. at Law, Balt. (15)

1883

William Shirley Bayley, (F), Ph. D., 1886; Prof. Mineral. and Geol., Colby, 1888-1904.—U. S. Geol. Survey, Waterville, Me.
Maurice Fels, LL. B., Univ. of Pa., 1886.—Atty. at Law, Philadelphia.
David Sterrett Gittings.—Baltimore.
William Beatty Harlan, LL. B., Univ. of Md., 1885; A. M., St. John's, 1888.—Atty. at Law, Churchville, Md.
George Theophilus Kemp, (F), Ph. D., 1886; M. D., L. I. Med. Coll., 1891; Demonstr., Univ. of Pa., 1886-87; Assoc. and Assoc. Director, Hoagland Lab., 1888-93.—Prof. Physiol., Univ. of Ill., Champaign.
Gonzalez Lodge, (F), Ph. D., 1886; LL. D., Franklin and Marshall, 1901; Prof., Davidson, 1886-88, Bryn Mawr, 1889-1900.—Prof. Latin and Greek, Teachers Coll., N. Y.
William Edgar Stratton, M. D., Harvard, 1886.—Physician, Brooklyn.
Henry Winslow Williams, LL. B., Univ. of Md., 1885.—Atty. at Law, Balt.
Henry Van Peters Wilson, (F), Ph. D., 1888; Bruce Fellow, 1888-89.—Prof. Biol., Univ. of N. C., Chapel Hill.
William John Witzenbacher.—Atty. at Law, Hagerstown, Md. (10)

1884

Rev. Albert Clayton Applegarth, Ph. D., 1887.—Clergyman, Huntingdon, Pa.
Charles Walter Artz, LL. B., Columbia, 1886.—Atty. at Law, N. Y.
Walter Bliss Canfield.—Chemist, Pittsburg.
George Gibson Carey, LL. B., Univ. of Md., 1886.—Atty. at Law, Balt.
William Kennedy Cromwell.—Baltimore.
Charles William Remsberg Crum, M. D., Univ. of Md., 1888; Instr., Mercersburg, 1884-86, 1889-90; Prof. Math., Ursinus, 1892-95.—Physician, Jefferson, Md.
Harry Friedenwald, M. D., Phys. and Surg. (Balt.), 1886.—Physician, Balt.; Prof. Ophthalmol., etc., Coll. of P. and S.
Rev. William Lindsay Glenn, LL. B., Univ. of Md., 1888.—Clergyman, Belair, Md.
John Hinkley, LL. B., Univ. of Md., 1886.—Atty. at. Law, Balt.
Charles Morris Howard, LL. B., Univ. of Md., 1888.—Atty. at Law, Balt.; Prof. Balt. Law School.
*John Deering Lord, Jr., LL. B., Columbia, 1886. **January* 27, 1902.
Jere Williams Lord, M. D., Univ. of Pa., 1887.—Physician, Balt.; Clin. Prof., Dermatol.; Assoc. Prof. Anat., Balt. Med. Coll.
William Patrick Lyons, LL. B., Univ. of Md., 1886.—Atty. at Law, Balt.
Edgar George Miller, Jr., LL. B., Univ. of Md., 1886.—Atty. at Law, Balt.
William Ridgely Orndorff, (F) Ph. D., 1887.—Prof. Organ. Chem., Cornell.
George Dobbin Penniman, LL. B., Univ. of Md., 1886.—Atty. at Law, Balt.; Prof., Balt. Univ. Law School.
William Henry Perkins, Jr., LL. B., Univ. of Md., 1888.—Atty. at Law, Balt.
*George Clement Stokes, Jr., LL. B., Univ. of Md., 1888. **January* 21, 1897.
*William John Thomas, Prof. Math., Western Md. Coll., 1884-85. **March* 9, 1886.
*William Ferdinand Walz. **March* 21, 1887.
Frederick Henry Wilkens, Ph. D., Leipsic, 1891; Asst. Prof., Univ. of Wis., 1893-96, and Union Univ., 1896-04.—Asst. Prof. German, New York Univ.
George Wishart Edmond (*extra ordinem*), Asst. Chem., 1889-90.—Santa Monica, Cal.
Charles Howard Shinn (*extra ordinem*).—Supervisor, N. Sierra Forest Reserve, North Fork, Cal. (23)

1885

John Pendleton Campbell, (F), Ph. D., 1888.—Prof. Biol., Univ. of Ga., Athens.
John Glenn, Jr., LL. B., Univ. of Md., 1887.—Atty. at Law, Balt.
Rt. Rev. Junius Moore Horner, S. T. B., Gen. Theol. Sem., N. Y., 1890.—P. E. Bishop of Asheville, N. C.
James Albert Loane.—Baltimore.
Harry Wilbur Price, LL. B., Columbian, 1887.—Atty. at Law, Chicago.
Benjamin Titus Roberts, Jr.
Moses Roth Ryttenberg, LL. B., Univ. of Md., 1888.—Atty. at Law, N. Y.
Hugo Steiner, LL. B., Univ. of Md., 1887.—Atty. at Law, Balt.
Henry Hazlehurst Wiegand, Proficient in Elec., 1889.—Elec. Engineer, Balt. (9)

1886

Joseph Sweetman Ames, (F), Ph. D., 1890.—Prof. Physics.
Wilson Lloyd Bevan, S. T. B., Gen. Theol. Sem. N. Y., 1889; A. M. and Fellow, Columbia, 1889; Ph. D., Munich, 1893; late Prof. Hist., Univ. of the South.
Thomas Hepburn Buckler, M. D., Univ. of Md., 1888.—Physician, Balt.
Alfred Robert Louis Dohme, Ph. D., 1889.—Mfg. Chemist, Balt.; Instr. Pharmacy.
Albert Alvin Doub.—Atty. at Law, Cumberland.
William Snyder Eichelberger, (F), Ph. D., 1891; Instr., Wesleyan, 1891-96.—Prof. Math., U. S. Navy, Wash.
Harry English.—Instr., High School, Washington.
Abraham Flexner.—Principal, Flexner's School, Louisville, Ky.

William Edward Gates.—Cleveland, O.
*William Curns Lawrence Gorton, (F), Ph. D., 1889; Assoc. Prof. and Prof. Math., Woman's Coll., Balt., 1888-94. **November* 8, 1894.
Joseph Edward Harry, (F), Ph. D., 1889, Prof., Georgetown (Ky.), 1889-1900.—Acting Prest., 1903-04, Dean, Acad. Dept., and Prof. Greek, Univ. of Cincinnati.
Benjamin Henry Hartogensis.—Atty. at Law, Balt.
James Shaler Hodges, Profic. in Elec., 1890.—Elec. Engineer, Balt.
Theodore Hough, (F), Ph. D., 1893; Instr. and Asst. Prof., Mass. Inst. Tech., 1893-1903.—Assoc. Prof. Biol., Simmons Coll., Boston.
Percy Meredith Hughes.—Director of High Schools, Wash.
*John Henry Laessig, Jr. **December* 28, 1903.
Allan McLane, Jr., LL. B., Univ. of Md., 1888.—Atty. at Law, Balt.
John Hanson Thomas McPherson, (F), Ph. D., 1890; Instr., Univ. of Mich., 1890-91.—Prof. Hist., Univ. of Ga., Athens.
Colyer Meriwether, Ph. D., 1893.—Instr. English, etc., High School, Washington.
John Pleasants.—Baltimore.
Richard Hall Pleasants, Jr., LL. B., Univ. of Md., 1889.—Atty. at Law, Balt.
*William Flood Smith, P. and S., Balt. (M. D., 1889, and late Assoc. Prof. Surg. Anat.). **April* 14, 1903.
Michael Daniel Stein.—Supt. of Street Railways, San Francisco.
Bernard Wiesenfeld, LL. B., Univ. of Md., 1889.—Atty. at Law, Balt.
John Whitridge Williams, M. D., Univ. of Md., 1888.—Physician, Balt.; Obstetrician in Chief; Prof. Obstetrics.
Langdon Williams.—Teacher, Philadelphia.
*William Klapp Williams, Ph. D., 1889. **June* 4, 1897.
John Randolph Winslow, M. D., Univ. of Md., 1888.—Physician, Balt.
*Allan Chase Woods. **September* 9, 1886.
Frederick George Young, Vice-Pres., S. Dak. Normal School, 1888-91.—Prof. Econ., etc., Univ. of Oregon, Eugene.
*Thomas McCabe (*extra ordinem*), (F), Ph. D., 1888; Instr., Univ. of Mich., 1888-89; Prof., Ind. Univ., 1889-90; Assoc. French, Bryn Mawr, 1890-91. **February* 22, 1891. (31)

1887

Rev. Edward Carey Applegarth, (F), Ph. D., 1890; M. D., P. and S., Balt., 1892.—Clergyman, Boston.
Richard Howard Bayard, LL. B., Univ. of Md., 1889.—Atty. at Law, Balt.
Herbert Maxwell Brune, LL. B., Univ. of Md., 1889.—Atty. at Law, Balt.
Charles Edward Coates, Jr., Ph. D., 1891; Prof., St., John's, 1891-93.—Prof. Chem., La. State Univ., Baton Rouge.
Rev. William Roswell Cole, B. D., Harvard, 1890.—Clergyman, Cohasset, Mass.
Paul Joseph Dashiell, Ph. D., 1891; Instr., Lehigh, 1889-90, 1891-92.—Prof. Chem., U. S. Naval Acad.
George Peter Dreyer, (F), Ph. D., 1890, Demonstr., Assoc., Assoc. Prof., 1890-1900.—Prof. Physiol., Med. Dept., Univ. of Ill., Chicago.
Edward Duffy, Jr., LL. B., Univ. of Md., 1889.—Atty. at Law, Balt.
James Clark Fifield.—Atty. at Law, Minneapolis.
Julius Friedenwald, M. D., P. and S., Balt., 1890; A. M., Loyola, 1898.—Physician, Balt.; Assoc. Prof. Pathol., Coll. of P. and S.
Douglas Huntly Gordon, LL. B., Univ. of Md., 1889.—Pres., Internat. Trust Co., Balt.
Jay Cæsar Guggenheimer, LL. B., Columbia, 1891.—Atty. at Law, N. Y.
Charles Homer Haskins, Ph. D., 1890, Instr., 1889-90; Asst. Prof. and Prof., Univ. of Wis., 1890-1902.—Prof. Hist., Harvard.
George Lincoln Hendrickson, L. H. D., Western Reserve, 1902; Prof., Colo. Coll., 1889-91, Univ. of Wis., 1891-96.—Prof. Latin, Univ. of Chicago.
Franz Otto Karl Hoffmann.—Berlin, Germany.
*Robert Milligan McLane, Jr., LL. B., Univ. of Md., 1891; State's Atty., Balt., 1899-1903; Mayor of Baltimore, 1903-04.—**May* 30, 1904.
Robert William Rogers, Haverford (Ph.D., 1890, Instr., 1887-90); D. D., Wesleyan, 1894; Ph. D., Leipsic, 1895; Prof., Dickinson, 1890-93.—Prof. Hebrew, Drew Theol. Sem., Madison, N. J.; Lecturer, Woman's Coll., Balt.
Henry Oliver Thompson, LL. B., Univ. of Md., 1890.—Atty. at Law, Balt.
Benjamin Tuska, Columbia (A. M., 1888, LL. B., 1889).—Atty. at Law, N. Y.
Rev. Robert William Henry Weech.—Clergyman, Walbrook, Balt.
*Edward William Willis, M. D., Univ. of Md., 1889. **August* 7, 1898.
Henry Firey Wingert.—Atty. at Law, Hagerstown, Md.
Walter Bell Scaife (*extra ordinem*), Ph. D., Vienna, 1887.—Pittsburg.
Albert Henry Smyth (*extra ordinem*), Lecturer, 1899-1900.—Prof. English, Central High School, Phila. (24)

1888

Henry Harold Ballard, Ph. D., 1893; Instr. Chem., Rose Polytech., 1893-96.—Student, Teachers Coll., N. Y.
Edward Ambrose Bechtel, (F), Chicago (Fellow, 1897-98, Asst. and Assoc., 1898-02, Ph. D., 1900); Instr., Northwestern, 1893-97.—Instr. Latin, Univ. of Chicago.
James William Black, Ph. D., 1891; Acting Prof., Georgetown, Ky., 1891-92; Assoc. Prof., Oberlin, 1892-94.—Prof. Hist., Colby Coll., Waterville, Me.
Charles Pliny Brigham, Ph. D., 1891.—Greenport, Long Island, N. Y.
*William Bromwell, Ph. D., 1895; Instr. Chem., Pratt Inst., Brooklyn, 1896-98. **September* 30, 1898.
*Hamilton McFarland Brown. **May* 8, 1892.
Arthur Lee Browne, Balt. Med. Coll. (M.D., 1901, Assoc. Prof. Chem.)

Charles Hamilton Carey.—Baltimore.
John Broughton Daish, LL. B., Georgetown (D. C.), 1900.—Atty. at Law, Washington.
Rev. William Levering Devries, (F), Ph. D., 1892; S. T. B., Gen. Theol. Sem., N. Y., 1894.—Clergyman, Washington.
Gustav Edward Gieske, M. D., P. and S. (Balt.), 1891.—Catonsville, Md.
Raleigh Colston Gildersleeve.—Architect, N. Y.
Harris Hancock, Ph. D., Berlin, 1894; D. Sc., Paris, 1901; Asst., Instr., Assoc., Chicago, 1892-1900.—Prof. Math., Univ. of Cincinnati.
Walter Jones, Ph. D., 1891; Acting Prof., Wittenberg, 1891-92; Instr. and Prof., Purdue, 1892-95.—Assoc. Prof. Physiol. Chem.
*William Augustine Jones, LL. B., Univ. of Ala., 1889. **February* 11, 1894.
Arthur Lincoln Lamb.—Science Master, Country School, Balt.
Charles Day Lanier.—Asst. Ed., *Review of Reviews*, N. Y.
John Bright Macauley.—Princ. Examiner, U. S. Patent Office, Wash.
*William Howard Miller, Instr. Math., Stanford, 1891-93. **March* 2, 1893.
*George Neville Moore. **October* 29, 1889.
John Henry O'Donovan, M. D., Univ. of Md., 1891.—Baltimore.
Frank Eugene Reader.—Atty. at Law, New Brighton, Pa.
Louis Rettger.—Prof. Nat. Sci., Terre Haute Normal School, Ind.
David Ellsworth Roberts.—Asst. Chief, Div. of Prints, Library of Congress.
Lessing Rosenthal, LL. B., Northwestern, 1891.—Atty. at Law, Chicago.
Charles Edmund Simon, M. D., Univ. of Md., 1890.—Physician, Balt.; Prof. Clin. Diagnosis, Md. Med. Coll.
Charles Kephart Swartz, (F), Ph. D., 1904; B. D., Oberlin, 1892; Fellow, Clark, 1889-90.—Instr. Geology.
Robert Melvin Tarleton, E. M., Lehigh, 1895.—Mining Eng., Omaha, Neb.
Edward Lucas White, Asst., Dartmouth, 1891-92.—Classical Instr., Boy's Latin School, Balt.
John White, Jr., (F), Ph. D., 1891; Asst., Cornell, 1891-93; Prof., Univ. of Neb., 1893-03.—Prof. Chem., Rose Polytech. Inst., Terre Haute.
Westel Woodbury Willoughby, (F), Ph. D., 1891; Acting Asst. Prof., Stanford, 1894-95.—Assoc. Prof. Polit. Science.
William Franklin Willoughby, Lecturer, 1900-01; Lecturer, Harvard, 1900-01.—Treasurer of Porto Rico, San Juan.
Charles Hiram Chapman (*extra ordinem*), (F), Ph. D., 1890; Instr. and Assoc., 1889-92; Prest., Univ. of Oregon, 1893-99.—Woodland, Wash.
Charles Collier Holden (*extra ordinem*).—Asst. Romance Lang., West Va. Univ., Morgantown. (34)

1889

Adolph Bernhard, Chicago (Ph. D., 1894, Asst. Chem., 1893-98).—Stone Creek, O.
Hiram Horsburgh Bice.—Class. Instr., High School, N. Y.
John Sedgewick Billings, M. D., Univ. of Pa., 1892.—Physician, N. Y.
Walton Bolgiano, M. D., Univ. of Pa., 1892.—Physician, Balt.
Theodore Cooke, Jr., M. D., Univ. of Md., 1891.—Physician, Balt.
Frank Barnum Culver.—New York.
*Richard Edward Edes, Harvard (M. D., 1895, Morgan Fellow, 1889-91); Instr., Mass. Inst. Tech., 1892-93. **November* 25, 1901.
Daniel Nathan Eisendrath, M. D., Chicago Med. Coll., 1891.—Physician, and Adj. Prof. Surg., P. and S., Chicago.
Albert Bernhardt Faust, (F), Ph. D., 1892, Instr., 1894-96; Assoc. Prof., Wesleyan, 1896-03; Asst. Prof., Univ. of Wis., 1903-04.—Acting Asst. Prof. German, Cornell.
Charles Lee Fulton, LL. B., Univ of Md., 1892.—Atty. at Law, Balt.
Joseph Elliott Gilpin, Ph. D., 1892.—Assoc. Chemistry.
Ross Granville Harrison, (F), Ph. D., 1894, Bruce Fellow, 1894; M. D., Bonn, 1899; Lecturer, Bryn Mawr, 1894-95.—Assoc. Prof. Anatomy.
George Newton Cressy Henschen.—Instr., High School, Harrisburg, Pa.
William Sadler Hilles.—Baltimore.
William Isaac Hull, Ph. D., 1892.—Prof. Hist., Swarthmore.
Harry Clary Jones, (F), Ph. D., 1892.—Prof. Phys. Chem.
George Charles Keidel, (F), Ph. D., 1895.—Assoc. Romance Lang.
*Jesse William Lazear, M. D., P. and S. (N.Y.), 1892; Asst. Clin. Micros., 1897-1900; Asst. Surg., U. S. A., 1900. **September* 25, 1900.
Alfred Mann, M. D., P. and S. (N. Y.), 1892.—Asst. Pathol., Univ. of Denver; Physician, Denver, Colo.
Charles Carroll Marden, Ph.D., 1894; Instr., Mich., 1890-91.—Assoc. Prof. Spanish.
William Watson McCulloh, LL. B., Univ. of Md., 1892; M. D., Univ. of Pa., 1896.—Physician, Balt.
Philip Randle Moale, Ph. D., 1894.—Chemist, Asheville, N. C.
Waldo Newcomer.—Baltimore.
Leonard Magruder Passano.—Instr. Math., Mass. Inst. Tech., Boston.
Arthur Jackson Patek, M. D., Univ. of Pa., 1892.—Physician, Milwaukee, Wis.
William Peters Reeves, Ph. D., 1893; Asst., Union, 1895-97; Prof., Iowa Univ., 1897-1900.—Prof. English, Kenyon, Gambier, O.
Legh Wilber Reid, Princeton (M. S., 189[illegible] Instr., 1893-1900); Ph. D., Göttingen, 189[illegible]. —Assoc. Prof. Math., Haverford.
Ralph Robinson, LL. B., Univ. of M[illegible], 1891.—Atty. at Law, Balt.
Brantz Mayer Roszel, (F), Ph. D., 189[illegible] Instr. Physics, Wash. High School, 18[illegible] 1903.—Head Master, Gram. School, [illegible] wanee, Tenn.
Rev. John George Sadtler, S. T. B., G[illegible] Theol. Sem., N. Y., 1893.—Clergym[illegible] Balt.
Benjamin Bittinger Shreeves, LL. B., Un[illegible] of Md., 1891.—Atty. at Law, Balt.
Robert Tunstall Taylor, LL. B., Univ. [illegible] Va., 1891.—Surgeon, Balt.; Chief S[illegible] geon, Hosp. for Crippled Children.

Walter Herron Taylor, LL. B., Univ. of Va., 1891.—Atty. at Law, Norfolk, Va.
Winfield Scott Thomas.—Asst. Prof. Education, and Examiner of Schools, Univ. of Cal., Berkeley.
Harry Maas Ullmann, Ph. D., 1892; Hon. Fellow, Chicago, 1892-93.—Asst. Prof. Chem., Lehigh.
Horatio Alanson Warren.—Teacher, Broad Brook, Conn. (36)

1890

John McEwen Ames.—New York.
William Hand Browne, Jr., Profic. in Elec., 1892; Instr., Univ. of Neb., 1896-98; Asst. Prof., Univ. of Ill., 1898-1902.—Tech. Ed., *Electrical Review*, N. Y.
James Edmund Bryan, Jr.—Supervisor of Schools, Camden, N. J.
Rev. Ralph Erskine Carson, Allegheny Theol. Sem., 1895.—Missionary, Assiout, Egypt.
*William Henry Carson, LL. B. and A. M., Harvard, 1894. **August* 12, 1899.
Sydney Million Cone, M. D., Univ. of Pa., 1893; Asst. Surg. Pathol., 1896-1900.—Physician, Balt.; Lecturer, Balt. Med. Coll.
Vernon Cook, LL. B., Univ. of Md., 1892.—Atty. at Law, Balt.
Lucius Bradley Dorr, M. D., Univ. of Md., 1890.—Physician, Buffalo, N. Y.
Edwin Stanton Faust, Ph. D., Munich, 1893; Asst., 1894-95.—Privat Docent and 1st Asst., Pharmacol. Inst., Strassburg.
Ned Arden Flood, Allegheny (A. M., 1898, Lecturer, 1895-98).—Atty. at Law, Meadville, Pa.
Herbert Friedenwald, Ph. D., Univ. of Pa.—Philadelphia.
Fielding Hudson Garrison, M. D., Georgetown, 1893.—Physician, Washington.
Philip Fusting Gerry, Catholic Univ. (Ph. M., 1900, late Fellow and Instr.).—Director of English Instruction, Technical Schools, Washington.
George William Gray, Ph. D., 1895.—Chemist, Standard Oil Co., Whiting, Ind.
Samuel H. Guggenheimer.—Atty. at Law, N. Y.
Daniel Dorsey Guy.—Journalist, Washington, D. C.
James Chew Johnston, M. D., New York Univ., 1892.—Physician, N. Y.; Instr. Pathol., etc., Cornell.
Edward Parkin Keech, Jr., LL. B., Univ. of Md., 1892.—Atty. at Law, Balt.
Henry McElderry Knower, (F), Ph. D., 1896, Bruce Fellow, 1895-96; Instr., Williams, 1896-97.—Instr. Anat.; Sec. and Co-Editor, *American Journal of Anatomy*.
Berwick Bruce Lanier, M. D., Univ. of Md., 1892.—Physician, Balt.
Sylvan Hayes Lauchheimer, LL. B., Univ. of Md., 1892.—Atty. at Law, Balt.; Asst. City Solicitor.
Tilghman Brice Marden, M. D., Univ. of Md., 1892.—Physician, Balt.; Assoc. Prof. Biol. and Histol., Balt. Med. Coll.
George Clarence Morrison, LL. B., Univ. of Md., 1893.—Atty. at Law; Prof. Balt. Law School.
Arthur Alexander Oehm.—Instr. in Music, Balt.
*Arthur Rosewald Oppenheimer, M. D., Univ. of Pa., 1893. **April* 29, 1895.
Rev. Lyman Pierson Powell.—Clergyman, Northampton, Mass.
Rev. Samuel Guy Snowden, B. D., Drew Theol. Sem., 1893.—Clergyman, Conemaugh, Pa.
James Ernest Stokes, M. D., Univ. of Md., 1892.—Physician, Salisbury, N. C.
Isaac Lobe Straus, LL. B., Univ. of Md., 1892.—Atty. at Law, Balt.
Charles Snowden Watts, LL. B., Univ. of Md., 1893.—Atty. at Law, Balt.
William Wallace Whitelock, Ph. D., Munich, 1892.—New York.
William Whitridge.—Baltimore.
Adolph Grant Wolf.—Atty. at Law, Washington.
Frank Alfred Wolff, Jr., (F), Ph. D., 1893.—Prof., George Washington Univ.; Physicist, Bureau of Standards, Wash.
James Homer Wright, M. D., Univ. of Md., 1892; A. M., Harvard, 1894; Fellow, Univ. of Pa., 1892-93.—Instr. Pathol., Harvard; Chief Pathologist, Mass. Gen. Hosp., Boston.
Rev. Oscar Woodward Zeigler, Princeton Theol. Sem., 1893; A. M., Princeton, 1894.—Clergyman, Perryman, Md.
Inazo Nitobe (Ota), (*extra ordinem*), Ph. D., Halle, 1890; late Prof. Econ., Sapporo Agric. Coll.—Chief, Gov't Bureau of Industry, Taipeh, Formosa. (37)

1891

Michael Alexander Agelasto, A. M., Columbia, 1893.—Norfolk, Va.
*Delano Ames, M. D., Univ. of Md., 1892. **March* 10, 1899.
Thomas Stockham Baker, (F), Ph. D., 1895.—Lecturer, German; Prof. Mod. Lang., Tome Inst., Port Deposit, Md.
Randolph Barton, Jr., LL. B., Univ. of Md., 1893.—Atty. at Law, Balt.
Daniel Base, Ph. D., 1895.—Assoc. Prof. Chem., Md. Coll. of Pharmacy, and Coll. of P. and S., Balt.
William F. Bissing, M. E., Ohio State Univ., 1893.—Patent Atty., N. Y.
Rev. Frederick Foye Briggs, Crozer Theol. Sem., 1894.—Clergyman, Wilmington, Del.
Shellman Baer Brown, Profic. in Elec., 1893.—Civil Engineer, Annapolis, Md.
Thomas Morris Brown.—Elec. Engineer, Cleveland, O.
Sidney Hand Browne, Profic. in Elec., 1893.—Elec. Engineer, Pittsburg.
Henry Andrews Bumstead, Ph. D., Yale, 1897.—Asst. Prof. Physics, Yale.
Frank Kenneth Cameron, Ph. D., 1894; Fellow and Asst., Cornell, 1894-95, 1897-98; Asst. Prof., Catholic Univ., 1895-97.—Soil Chemist, Agric. Dept., Wash.
Malcolm John Cameron, A. M., St. Francis Xavier (N. Y.), 1892; LL. B. and A. M., Columbia, 1894.
George Carey.—New York.
Rev. Neilson Poe Carey, S. T. B., Gen. Theol. Sem., N. Y., 1897.—Clergyman, Norwich, Conn.

Abraham Cohen, (F), Ph. D., 1894.—Assoc. Mathematics.
Harry Webster Cooke.—Atty. at Law, Balt.
Arthur Aaron Dembitz.—New York.
Augustus Kountze Detwiler, M. D., Univ. of Pa., 1894.—Physician, Omaha, Neb.
George W. Dobbin, M. D., Univ. of Md., 1894; Asst. and Assoc., 1895-1901.—Physician, Balt.; Prof. Obstetrics, Coll. of Phys. and Surg.
William Francis Gallaway, (F), Ph. D., 1896.—Prin., Chatham Acad., Savannah, Ga.
George Henry Heitmuller, M. D., Univ. of Pa., 1894.—Physician, Wash.
Philip Hanson Hiss, Jr., Columbia (M. D., 1895, Ph. D.).—Physician, N. Y.; Adj. Prof. Bacteriol, Columbia.
Jacob H. Hollander, (F), Ph. D., 1894; Treasurer of Porto Rico, 1900-01.—Prof. Pol. Econ.
Charles McHenry Howard, LL. B., Univ. of Md., 1893.—Atty. at Law, Balt.
Reid Hunt, (F), Ph. D., 1896, Assoc. and Assoc. Prof., 1898-03; M. D., P. and S., (Balt.), 1896; Tutor, Columbia, 1896-98.—Pharmacologist, Bureau of Public Health, Washington.
Charles William Leverett Johnson, (F), Ph. D., 1896; Instr., Yale, 1897-1900, Princeton, 1900-03.
Henry Webster Keating.—Instr., St. James School, Md.
*William Knower, LL. B., Univ. of Md., 1893. **December* 27, 1894.
George Lefevre, (F), Ph. D., 1896, Bruce Fellow, 1895-97, Asst., 1897-98.—Prof. Zool., Univ. of Mo., Columbia.
George Milton Linthicum, M. D., P. and S. (Balt.), 1893.—Physician, Balt.; Prof., Histol. &c., Md. Med. Coll.
Hugh Sisson Magruder, S. B., Columbia, 1898.—Architect, Balt.
Arthur William McDougall.—Gen. Sec., Assoc. Charities, Orange, N. J.
Rev. Whitford L. McDowell.—Clergyman, Balt.
James Farnandis Mitchell, M. D., 1897, Instr. Surg., 1900-02.—Surgeon, Washington; Prof. Surg. Pathol., George Washington Univ.
Archibald Campbell Murray.—Baltimore.
Charles Fairbank Painter, Harvard (M. D., 1895, Asst., 1897-99).—Physician, Boston; Instr., Tufts Med. Coll.
Alfred Wilmot Pleasants.—Baltimore.
Alfred Magill Randolph, Jr., Profic. in Elec., 1894.—Elec. Engineer, Manchester, Eng.
William Ferdinand Rittler.—Second Lieut., U. S. A., Monterey, Cal.
Charles James Search, M. D., Univ. of Wooster, 1892.—Physician, Brooklyn.
Alfred Jenkins Shriver, LL. B., Univ. of Md., 1893; A. M., Loyola, 1894.—Atty. at Law, Balt.
Rev. James Lawrenson Smiley.—Clergyman, Alberton, Md.
Samuel King Smith, LL. B., Univ. of Md., 1893.—Atty. at Law, Balt.
Rev. Daniel Gurden Stevens, Jr., (F), Ph. D., 1894; B. D., Crozer Theol. Sem., 1897.—Clergyman, Bryn Mawr, Pa.
Charles Morton Stewart, Jr.—Baltimore.
William Stuart Symington, Jr., Ph. D., 1895; Instr. and Assoc. Prof., Stanford, 1893-95; Prof. Romance Lang., Amherst, 1895-1903.—Baltimore.
Matthew Möller Johnston Vea.—Stoughton, Wis.
Rev. Edward Louis Watson.—Clergyman, Balt.
Charles Joseph West.
Charles Francis Woods, Jr., Ph. D., 1897; Prof. Woman's Coll., Richmond, 1897-99; Acting Prof., Swarthmore, 1899-1900, and Pa. Coll., 1900-02.—Acting Prof. German, Univ. of Colo., Boulder.

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1892

Harry Adler, M. D., Univ. of Md., 1895.—Physician, Balt.
Newton Diehl Baker, Jr., LL. B., Wash. and Lee, 1894.—Atty. at Law and Asst. Corporation Counsel, Cleveland; Prof., Baldwin Univ., O.
Charles Gambrill Baldwin, LL. B., Univ. of Md., 1895.—Atty. at Law, Balt.
Edwin Bernhard Behrend, M. D., Georgetown, 1894.—Physician, Wash.; Prof. Pathol., Georgetown Univ.
Rev. Lunsford Emory Bennett, B. D., Drew Theol. Sem., 1894.
Arthur Fisher Bentley, (F), Ph. D., 1895.—Chicago.
George Edward Boynton.—Instr. Hist., etc., High School Brooklyn.
Thomas Richardson Brown, M. D., 1897.—Physician, Balt.; Assoc. Prof., Coll. of P. and S.; Chief, Med. Clinic; Assoc. Medicine.
Alfred Cookman Bryan, Ph. D., 1896; Instr., Wash. High. School, 1896-02, Brooklyn Polytech. Prep. Sch., 1902-04.—Instr. Hist., N. Y. School of Commerce.
Charles Weathers Bump.—News Editor, *Baltimore News*.
William Calvin Chesnut, LL. B., Univ. of Md., 1894.—Atty. at Law, Balt.
John Edwin Davis, LL. B., Univ. of Md., 1895.—Atty. at Law, Balt.
Henry Haywood Glassie.—Atty. at Law, Washington.
Leon Emanuel Greenbaum, LL. B., Univ. of Md., 1895.—Atty. at Law, Balt.
James Wesley Harvey, Jr., LL. B., Univ. of Md., 1893.—Baltimore.
William August Haussmann, (F), Ph. D., 1895.—Instr. German, Central High Sch., Phila.
Jose Lewis Hirsh, M. D., Univ. of Md., 1895.—Physician, Balt.; Demonstr., Univ. of Md.
Morris James.—Class Instr., High School, Berkeley, Cal.
Hugh Judge Jewett, LL. B., Univ. of Md., 1894.—Atty. at Law, Balt.
Theodore Woolsey Johnson, M. E., Stevens Inst., 1896.—Prof. Mech. Eng., U. S. Naval Acad.
John Holladay Latane, Ph. D., 1895, Shaw Lecturer, 1898-99; Prof., Randolph-Macon Woman's Coll., 1898-1902.—Prof. Hist., Wash. and Lee, Lexington, Va.

Edward Jaquelin L'Engle.—Atty. at Law, Jacksonville, Fla.
Earl Perkins Lothrop, M. D., Niagara Univ., 1894.—Physician, Buffalo, N. Y.
Charles Whitney Mixter, Harvard (A. M., 1893, Ph. D., 1897, Asst., 1896-98, Instr., 1902-03).—Prof. Pol. Econ., Univ. of Vt., Burlington.
Walter Alexander Montgomery, Ph. D., 1899; Instr., Univ. of Ark., 1899-1900; Acting Prof., Miss. Univ., 1900-01.—Class. Master, Gram. Sch., Sewanee, Tenn.
James Flack Norris, (F), Ph. D., 1895; Instr. and Asst. Prof., Mass. Inst. Tech., 1895-04. — Asst. Prof. Chem., Simmons Coll., Boston.
Thomas Dobbin Penniman, Ph. D., 1898.—Elec. Eng., Balt.
Charles William Peppler, (F), Ph. D., 1898. —Prof. Greek, Emory Coll., Oxford, Ga.
Albert Moore Reese, Ph. D., 1900; Prof., Allegheny, 1901-02.—Assoc. Prof. Histol., Syracuse Univ., N. Y.
William Miller Roberts, M. D., Univ. of Md., 1897.—Surg., U. S. A., Balt.
Abram Barr Snively, M. D., Univ. of Pa., 1895.—Physician, Waynesboro, Pa.
John Sargent Stearns, M. D., Georgetown, 1894.—Physician, Wash.
Charles Daniel Steenken, M. D., P. and S. (N. Y.), 1896.—Physician, Balt.
Leopold Stern.—Baltimore.
Lester Latham Stevens, LL. B., Univ. of Md., 1894.—Atty. at Law, Balt.
Gustav Lürman Stewart.—Baltimore.
*John Stewart. **September* 27, 1903.
Redmond Conyngham Stewart, LL. B., Univ. of Md., 1894.—Atty. at Law, Balt.
Arthur Bertram Turner, Ph. D., Univ. of Pa., 1902; Prof., Temple Coll., Phila., 1895-99.—Instr. Math., N. Y. City Coll.
Harold John Turner, Ph. D., 1899; Prof., Western Md., 1900-01; Asst., Tufts, 1902-03.—Science Director, High Sch., Montclair, N. J.
Richard Henry Wilson, Jr., Ph. D., 1898, Instr., 1898-99.—Prof. Romance Lang., Univ. of Va. (41)

1893

John Robert Abercrombie, M. D., Univ. of Md., 1895.—Physician, Balt.; Lecturer, Woman's Med. Coll.
Adolph Hall Ahrens.—Baltimore.
Theodore George Ahrens.—Architect, Balt.
Delaware Clayton Andre, LL. B., Univ. of Md., 1894.—Atty. at Law, Balt.
Frank Andrews.—Asst., Bureau of Statistics, Dept. of Agric., Washington.
William Steenbergen Blackford.—Balt.
George Stewart Brown, LL. B., Univ. of Md., 1895.—Atty. at Law, Balt.; Instr., Balt. Law School.
William Lawrence Clark.—Baltimore.
Frank Angier Clarke.—Prof. Latin and Greek, Mars Hill Coll., N. C.
Edward Lowell Cox.—Atty at Law, Parkersburg, W. Va.
Noah Ernest Dorsey, (F), Ph. D., 1897, Asst. and Assoc., 1897-1901.—Physicist, Bureau of Standards, Washington.
Howard Blake Dowell, LL. B., Univ. of Md., 1895.—Atty. at Law, Balt.
John Hooper Edmondson, LL. B., Univ. of Md., 1895.—Atty. at Law, Balt.
Henry Simpson Greenleaf, M. D., Univ. of Pa., 1895. — Res. Phys., Amer. Hosp., Peking.
Wilmot Griffiss.
Louis Philip Hamburger, M. D., 1897.—Physician, Balt.; Chief, Med. Clinic; Assoc. Medicine.
John Hampden Hazelton.—Atty. at Law, New York.
Lloyd Lowndes Jackson, Jr., LL. B., Univ. of Md., 1896.—Atty. at Law, Baltimore.
Millard Langfeld, M. D., 1898.—Physician and Bacteriologist, Board of Health, Omaha; Prof. Bacteriol., etc., Creighton Med. Coll.
John Leypold Griffith Lee, LL. B., Univ. of Md., 1894.—Atty. at Law, Balt.; Prof. Med. Jurisprud., Woman's Med. Coll.
Jacob Moses Moses, LL. B., Univ. of Md., 1895.—Atty. at Law, Balt.
Clayland Mullikin, LL. B., Univ. of Md., 1893.—Atty. at Law, Easton, Md.
Charles Watson Newhall.—Math. Master, Shattuck School, Faribault, Minn.
Frederick Bogue Noyes, D. D. S., Northwestern. — Prof. Histol., Dental Dept., Northwestern Univ., Evanston, Ill.
Eugene Lindsay Opie, (F), M. D., 1897, Asst., Instr., Assoc. Pathology, 1898-04. —Assoc., Rockefeller Inst. for Med. Research, N. Y.
Charles Bingham Penrose, Jr., LL. B., Univ. of Md., 1898.—Atty. at Law, Balt.
Clement Andariese Penrose, M. D., 1897.—Physician, Balt.
Charles Carroll Schenck, Ph. D., 1901; Asst., Lehigh, 1901-02.—Instr. Physics, McGill Univ., Montreal.
Siegmund Bacharach Sonneborn.—Balt.
Morris Ames Soper, LL. B., Univ. of Md., 1895.—Asst. U. S. District Atty., Balt.; Instr., Balt. Law School.
Francis Edgar Sparks, Ph. D., 1896.—Atty. at Law, Balt.
Alfred Earnest Speirs.—Chicago, Ill.
Hugo Paul Thieme, Ph. D., 1897; Asst. Prof., Earlham, 1897-98; Lecturer, 1900-01.—Instr. French, Univ. of Mich., Ann Arbor.
Douglas Hamilton Thomas, Jr.—Architect, Balt.
Edwin Litchfield Turnbull.—Baltimore.
Rev. John Ogle Warfield, S. T. B., Episc. Theol. School, Cambridge, Mass., 1896.—Clergyman, Phila.
Henry Skinner West, (F), Ph. D., 1899, Instr., 1899-00; Prof. Eng., Balt. City Coll., 1894-97 and 1900.—Prin., Western High School, Balt.
Frederick Wallace Wilson.—Atty. at Law, The Dalles, Oregon.
Leo Wolfenstein.—Cleveland, O.
William Hamilton Kirk (*extra ordinem*), (F), Ph. D., 1895; Instr., Vanderbilt, 1895-00.—Prof. Latin, Rutgers. (40)

1894

John Griffith Ames, Jr., A. M., Oxford, 1899; Prof., Kenyon, 1895-97.—Prof. English, Illinois Coll., Jacksonville.

William Stevenson Baer, M. D., 1898.—Physician, Balt.; Clin. Asst.; Instr. Orthopedic Surg.
Rev. Adolph Elhart Baker, Union Theol. Sem. (Va.), 1897.—Clergyman, Sykesville, Md.
Walter Baumgarten, M. D., Wash. Univ., 1896; Asst., Harvard, 1897-98; Asst. Med., 1903-04.—Physician, St. Louis.
Arthur Henry Baxter, Ph. D., 1898.—Instr. French, Amherst.
Ernest Julius Becker, Ph. D., 1898; Prof., Woman's Coll., Richmond, 1899-01.—Instr. Mod. Lang., Balt. City Coll.
Thomas Pumphrey Benson, M. D., Univ. of Md., 1898.—Physician, Pumphrey's, Md.
Thomas Fitz Patrick Cameron.
Moses S. Cohen, LL. B., Univ. of Md., 1896.—Atty. at Law, Balt.
Bernard Milton Cone, Columbia (A. M., 1896, LL. B., 1897).—Atty. at Law, N. Y.
Charles Angelo Conrad, LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.
Walter Cox, M. D., Balt. Univ., 1898.—Asst. Surg., U. S. Marine Hosp. Service.
Percy Millard Dawson, (F), M. D., 1898.—Assoc. Prof. Physiology.
Eli Frank, LL. B., Univ. of Md., 1896.—Atty. at Law., Balt.; Instr., Balt. Law School.
Nathaniel Edward Griffin, Ph. D., 1899; Instr., Iowa Univ., 1899-1900; Prof., Wells Coll., 1900-03; Instr. English, Univ. of Vt., 1903-04.—Fellow by Courtesy.
Benjamin Howell Griswold, Jr., LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.
Richard Jordan Hancock, Jr.—Atty. at Law, Atlanta, Ga.
Stephen Cloud Harry.—Math. Instr., Friends' School, Balt.
Thomas Wood Hastings, M. D., 1898.—Physician, N. Y.; Instr. Clin. Pathol., Cornell.
Rev. Conrad Augustine Hauser, Lancaster Theol. Sem., 1897.—Clergyman, Cumberland, Md.
Herman Frederick Krafft, LL. B., Columbia, 1898.—English Master, St. George's School, Newport.
Harry Taylor Marshall, (F), M. D., 1898.—Chief, Med. Clinic; Instr. Medicine; Physician, Balt.
George Stevens Maynard, Profic. in Elec., 1896.—Gen. Elec. Co., Schenectady, N. Y.
Louis Wardlaw Miles, (F), M. D., Univ. of Md., 1897; Ph. D., 1902.—German Master, Country School for Boys, Balt.
William Albert Nitze, (F), Ph. D., 1899; Lecturer and Tutor, Columbia, 1899-03.—Assoc. Prof. Romance Lang., Amherst.
James Piper, LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.
John Eugene Howard Post.—French Master, Country School for Boys, Balt.
John Hurst Purnell.—Baltimore.
Milton Reizenstein, Ph. D., 1897.—Asst. Agent, Baron Hirsch Foundation, N. Y.
Frank Roy Rutter, (F), Ph. D., 1897.—Dept. of Agric., Wash.
Simon H. Stein, LL. B., Univ. of Md., 1896.—Baltimore.
Emerson H. Strickler.
Joseph Pembroke Thom, Jr., LL. B., Univ. of Md., 1901.—Atty. at Law, Balt.
Rev. George Harvey Trull, Princeton Theol. Sem., 1897.—Clergyman, Wilmington, Del.
Clinton Gambrill Tudor.—Civil Engr., Peoria, Ill.
Malcolm Van Vechten Tyson, LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.
Horace Scudder Uhler, (F), Instr., Northwestern, 1896-97.—Fellow in Physics.
George Talbot Whitfield.—Atty. at Law, Tallahassee, Fla.
Pere Lethrbury Wickes, Jr.—Atty. at Law, Balt.
*Chester Clark Wood. **September* 11, 1895.
James Curtis Ballagh, (*extra ordinem*), Ph. D., 1895.—Assoc. History. (41)

1895

Wilbur Withrow Ballagh.—Tenafly, N. J.
William Sherman Bansemer, LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.
Harry Bissing, Profic. in Elec., 1895.—Elec. Eng., N. Y.
Hanson Briscoe Black.—Captain, U. S. Artillery, Ft. Flagler, Wash.
Rev. Charles Henry Hardin Branch, Princeton Theol. Sem., 1898.—Clergyman, Lexington, Ky.
George Dobbin Brown, (F), Ph. D., 1901; Acting. Prof., Univ. of Vt., 1901-02.—Instr. English, Balt.
Lawrason Brown, M. D., 1900.—Physician, Saranac Lake, N. Y.
Humphrey Warren Buckler, M. D., 1899.—Physician, Balt.; Clin. Asst.; Asst. Obstetrics.
William Mack Chowning, S. B., Knox, 1894; M. D., Mich., 1901.—Physician, Minneapolis; Demonstr. Pathol., etc., Univ. of Minn.
Charles Bevan Clark, S. B., Mass. Inst. Tech., 1897.—Civil Engineer, Cincinnati.
Gilbert Abraham Coblens.—Baltimore.
Reuben Carll Foster, LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.
Frank Taylor Fulton, S. B. Knox, 1894; M. D., 1899.—Pathologist, and Director, Pathol. Lab., R. I. Hosp.; Instr., Brown; Physician, Providence.
*James Daton Gallagher, M. D., 1899. **April* 1, 1901.
George Herbert Gray.—Architect, N. Y.
Milton Daniel Greenbaum, LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.
Roland Bridendall Harvey, LL. B., Univ. of Md., 1896.—Atty. at Law, Balt.
George Oscar James, (F), Ph. D., 18[illegible]9; Instr., Univ. of Utah, 1896-97; Lectu[illegible]r and Assoc. Prof., Columbian, 1900-[illegible]1; Instr., Lehigh, 1902-03.—Instr. Ma[illegible]h. Washington Univ., St. Louis.
Stuart Symington Janney, LL. B., Univ[illegible], Md., 1901.—Atty. at Law; Instr., B[illegible]lt Law School.
Marcus Kaufman, LL. B., Univ. of M[illegible]d., 1897.—Atty. at Law, Balt.
Charles Alexander Kilvert.—Provide[illegible]nce, R. I.

Ernest Pendleton Magruder, Columbian (A. M., 1900, M. D., 1902).—Physician, Wash.
*Edward Spiller Oliver, M. D., 1900. **March* 18, 1902.
John Donaldson Parker, LL. B., Univ. of Md., 1897.—Atty at Law, Balt.
David Sterrett Pindell, Profic. in Elec., 1897.—Elec. Engr., Sault Ste. Marie, Mich.
Jacob Hall Pleasants, Jr., M. D., 1899.—Physician, Balt.; Assoc. Prof., Coll of P. and S.; Chief, Med. Clinic; Asst. Medicine.
Rev. Gustav Rudolph Poetter, Lancaster Theol. Sem., 1898.—Clergyman, Balt.
John Andrew Robinson, LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.
Sylvan Rosenheim, M. D., 1899.—Physician, Balt.; Demonstr., Coll. of P. and S.; Clin. Asst.; Asst. Laryngology.
Charles Albert Savage.—Asst. Prof. Greek and Latin, Univ. of Minn., Minneapolis.
Edgar Randolph Strobel, M. D., 1899.—Physician, Balt.; Clin. Prof., Balt. Med. Coll.; Clin. Asst.; Asst. Dermatology.
Robert McIlvaine Torrence.—Washington, Pa.
Campbell Easter Waters, Ph. D., 1899; Prof., Conn. Agric., 1900-01; Asst. Chem., 1901-04.—Asst. Chemist, Bureau of Standards, Wash.
Arthur Charles Watkins, B. D., Union Theol. Sem., N.Y., 1900.—Manager, Univ. Press, Sewanee, Tenn.
Henry Abel Whitaker.—Atty. at Law, Belair, Md.
William Whitridge Williams, M. D., 1899; Asst., Prague, 1900-01, Harvard, 1901-03.—Physician, Mass. Gen. Hosp., Boston.
William Wingert, LL. B., Univ. of Md., 1897.—Atty. at Law, Hagerstown.

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1896

Thomas Sewell Adams, (F), Ph. D., 1899.—Asst. Prof. Econ., Univ. of Wis., Madison.
Cornelius Beatty, Prof., Des Moines Coll., 1899-02.—Instr. Chem., Grant Univ., Athens, Tenn.
Augustus Cæsar Binswanger.—Atty. at Law, Balt.
Charles Edward Caspari, (F), Ph. D., 1900; Asst., Columbia, 1900-01.—Prof. Chem., St. Louis Coll. of Pharmacy.
Clarence Carroll Clark, Ph. D., Yale, 1903.—Lecturer, English Lit., Bryn Mawr.
Rev. Frank Wilbur Collier, S. T. B., Boston Univ., 1899.—Clergyman, Malden, Mass.
Rev. Charles Edward Diehl, Princeton Theol. Sem., 1900; A. M., Princeton, 1900.—Clergyman, Crescent Springs, Ky.
William Reginald Dorsey.—Atty. at Law, Balt.
George Dyre Eldridge, Jr., LL. B., Columbia, 1900.—New York.
Rev. Albert Dale Gantz, Princeton Theol. Sem., 1899; A. M., Princeton, 1899.—Clergyman, Walla Walla, Wash.
Alfred Dearing Harden.—Atty. at Law, Savannah, Ga.
*William Faithful Hendrickson, M. D., 1900; Asst. Demonstr. Pathol., Univ. of Pa., 1900-02. **August* 21, 1902.
*Frank Holmes Johnson. **June* 20, 1896.
Charles Harwood Knight.—Baltimore.
William Kurrelmeyer, (F), Ph. D., 1899; Prof., Franklin and Marshall, 1899-00.—Instr. German.
Robert Lacy, S. B., Mass. Inst. Tech., 1898.—Civil Eng., Burke's Sta., Va.
Henry Lanahan.—Prof. Physics, Md. Agric., College Park.
Monroe Luchs.—Washington, D. C.
Arthur Webster Machen, Jr., Lit. B., Harvard, 1899.—Atty. at Law, Balt.; Instr., Balt. Law School.
Richard Elliott Marine.—Asst. Examiner, U. S. Patent Office, Wash.
Henry Pickering Parker, M. D., 1901.—Physician, Balt.; Clin. Asst. Medicine.
Albert Cabell Ritchie, LL. B., Univ. of Md., 1898.—Atty. at Law, Balt.; Asst. City Solicitor.
Louis Rosenbaum, LL. B., Univ. of Md., 1898.—Atty. at Law, Balt.
Glanville Yeisley Rusk, M. D., 1900; Asst. Psychiatry, 1902-03.—Pathol. Inst., Ward's Island, N. Y.
Laurence Frederick Schmeckebier, (F), Ph. D., 1899.—U. S. Geol. Survey, Washington.
James Eustace Shaw, (F), Ph. D., 1900.—Assoc. Italian.
St. George Leakin Sioussat, Ph. D., 1899 Instr., Smith Coll., 1899-04.—Prof. Hist., Univ. of the South, Sewanee, Tenn.
Alexander Raymond Stevens, M. D., 1903.—Director, Analyt. Lab., Fraser & Co., N. Y.
Rev. John Wesley Richardson Sumwalt.—Clergyman, Balt.
John Hanson Thomas, LL. B., Univ. of Md., 1897.—Atty. at Law, Balt.
Charles Burnet Torsch.—Baltimore.
James McConky Trippe, LL. B., Univ. of Md., 1898.—Atty. at Law, Balt.
Charles William Waidner, (F), Profic. in Elec., 1892, Ph. D., 1898, Asst., 1898-99; Instr., Williams, 1899-1901.—Physicist, Bureau of Standards, Washington.
William Fisher Wallis.—Aid, U. S. Coast and Geodetic Survey.
Frederick Howard Warfield, LL. B., Univ. of Md., 1899.—Atty. at Law, Balt.
Rev. John Armistead Welbourn, A. M., Columbian, 1898; Va. Theol. Sem., 1899.—Tokyo, Japan.
John Montgomery West, M. D., 1901.—Student, Berlin.

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1897

Herbert Henry Adams, C. E., Mass. Inst. Tech., 1899.—St. Thomas, Ont.
Frederick Henry Baetjer, M. D., 1901.—Asst. Surgeon; Asst. Surgery.
Robert Ernest Belknap.—Pa. Steel Co., Chicago.
Frank Ringgold Blake, (F), Ph. D., 1902.—Instr. Oriental Lang.
Edward Lingan Bowlus, Prof., Mt. Union Coll., 1902; Instr. Biol., Monmouth Coll., 1902-03.—Baltimore.
Charles Keyser Edmunds, (F), Ph.D., 1903; Acting Prof., Univ. of Utah, 1898-99.—Prof. Phys., Christian Coll., Canton, China.

Howard Main Gassman, E. E., Lehigh, 1901; Instr., Ursinus, 1897-99. — Elec. Eng., Ampere, N. J.
Neil Duncan Graham, M. D., 1901.—Physician, Wash.; Asst. Obstetrics, Howard Univ.
Charles Saloman Guggenheimer.—Atty. at Law, N. Y.
Frank Arnold Hancock.—Chemist, Balt.
Landry Harwood, LL. B., Kansas City Law School, 1899.—Atty. at Law, Kansas City.
Eugene de Forest Heald, Jr.—Student of Theol., N. Y.
Michael Ernest Jenkins, LL. B., Harvard, 1900.—Atty. at Law, Balt.
Harry M. Kaufman, M. D., 1901.—Physician, Washington; Demonstr. Pathol., George Washington Univ.
Rev. Frank Albert Killmon.—Clergyman, Belair, Md.
Rev. John Edgar Knipp, Union Biblical Sem., O., 1900; Instr., Doshisha, Kyoto, Japan, 1900-03.—Glyndon, Md.
Theodore Morgan Leary.—New York.
William Strobel Levy.—Atty. at Law, Balt.
Warfield Theobald Longcope, M. D., 1901.—Director, Ayer Clin. Lab., Pa. Hosp., Phila.
Charles Edward Lyon, Ph. D., 1904; Instr., Princeton, 1902-03.—Instr. German, Williams Coll.
Rev. Henry Clay McComas, Jr., A. M., Columbia, 1898; Union Theol. Sem., N. Y., 1900.—Clergyman, Cadillac, Mich.
George Lovic Pierce Radcliffe, Ph. D., 1900; Instr. Hist., Balt. City Coll., 1901-02.—Atty. at Law, Balt.
Herbert Meredith Reese, (F), Ph. D., 1900; Asst., Lick Observ., 1900-03, Yerkes Observ., 1903-04.—Assoc. Physics, Univ. of Mo., Columbia.
Alexander Henry Schulz, Jr.—Baltimore.
Rev. John Frederick Schunck, B. D., West Phila. Divinity School, 1901. — Clergyman, Weldon, Pa.
*Henry Plant Shuter. **October* 17, 1898.
Josiah Morris Slemons, M. D., 1901.—Physician, Balt.; Instr. Obstetrics.
Samuel Hamilton Spragins, A. M., Yale, 1899.—Supt. of Schools, Helena, Ark.
Albert Louis Steinfeld, M. D., 1901.—Prof. Histol. and Pathol., Toledo Med. Coll.; Physician, Toledo, O.
James McIlhany Thomson.—Norfolk, Va.
Albert James Underhill, M. D., 1901.—Physician, Balt.; Clin. Asst.
Louis Marshall Warfield, M. D., 1901.—Physician, St. Louis, Mo.
George William Warren, M. D., 1901. — Physician, N. Y.
David Emrich Weglein.—Instr., Pedagogy, Balt. City Coll.
Dudley Williams, M. D., 1902.—Physician, Balt.; Clin. Asst. Medicine.
Henry Merryman Wilson.—Prof. Textiles, A. and M. Coll. of N. C., Raleigh.
Charles Knickerbacker Winne, Jr., M. D., 1901. — Instr. Bacteriol., Albany Med. Coll.; Asst., Bender Lab. (37)

1898

Zadok Marshall Ballard.—Norfolk, Va.
Odin Baltimore Bestor.—Engr., Ridge Top, Tenn.
Duncan Kenner Brent, LL. B., Univ. of Md., 1900.—Atty. at Law, Balt.
Bennet Bernard Browne, Jr., M. D., 1902. —Physician, Balt.; Asst. Eye, Ear, and Throat Charity Hosp.; Clin. Asst.
George Miltenberger Clarke.—Atty. at Law, N. Y.
Henry Wireman Cook, M. D., 1902.—Physician, Richmond, Va.
Rev. Albert Charles Dieffenbach, Lancaster Theol. Sem., 1901. — Clergyman, Allegheny, Pa.
Gustavus Charles Dohme, M. D., 1902.—Physician, Balt.; Assoc. Prof. Chem., Md. Med. Coll.
Ralph Duffy, M. D., 1902. — Pathologist, West Pa. Hosp.; Physician, Pittsburg.
James F. Ferguson.—Baltimore.
John Somerville Fischer, M. D., 1903.—Chief, Med. Clinic., St. Joseph's Hosp. Disp.; Physician, Balt.
Thomas Fitzgerald, Jr. — Elec. Engineer, Lexington, Ky.
Lawrence Hall Fowler, S. B.. Columbia, 1902.—Architect.
William Willoughby Francis, M. D., 1902. —Asst. Pathology.
William Cazenove Gardner.—Lincoln, Neb.
Alexander Gordon, Jr., LL. B., Univ. of Md., 1900.—Atty. at Law, Balt.
William Browne Hammond, Jr., LL. B., Univ. of Md., 1900.—Atty. at Law, Balt.
Philip Warner Harry, Ph. D., 1903; Instr., Univ. of Me., 1901-02.—Instr., Romance Lang., Univ. of Cincinnati.
Leonard Keene Hirshberg, M. D., 1902.—Physician, Balt.; Assoc. Neurol., Coll. of P. and S.; Chief, Nerve Clinic, City Hosp.
Conway Shaler Hodges.—Atty. at Law, Balt.
William Randle Hubner, LL. B., Univ. of Md., 1900.—Atty. at Law, Balt.
Robert Henry Jones.
Charles Wesley Kalb.—Catonsville, Md.
James Alfred Kennard, LL. B., Univ. of Md., 1901.—Toronto, Ont.
Louis Charles Lehr, M. D., 1902.—Physician, Washington.
Henry John Lucke, Lafayette (A. M., 1901, Instr., Math., 1900-02).—Asst. Examiner, U. S. Patent Office, Wash.
David Gregg McIntosh, Jr., LL. B., Univ. of Md., 1901.—Atty. at Law, Balt.
Frank Oldham Miller, M. D., Univ. of Md., 1902.—Physician, Balt.
Raymond Durbin Miller, (F), Ph. D., 1904. — Asst. English, Univ. of Texas, Austin.
Solomon Brenner Myers.—Baltimore.
Harold Pender, Ph. D., 1901; Instr. Physics, Syracuse Univ., 1902-03.—Electrician, Pittsburg.
Thomas Lindley Pyle.—Pylesville, Md.
Vincent Adams Renouf.—Prof. Hist., etc., Univ. of Tientsin, China.
George Barr Scholl, M. D., 1902.—Physician, Balt.; Assoc. Prof. Pathol., Md. Med. Coll.
Alexander Lazear Seth, LL. B., Univ. of Md., 1901.—Atty. at Law, Balt.
Frederick Williamson Smith, C. E., Mass. Inst. Tech., 1901.—Engr., Mattoon, Ill.
Robert Marsden Smith, LL. B., Univ. of Md., 1900.—Atty. at Law, Balt.

Victor Edgeworth Smith.
Charles Miner Stearns.—Instr. English, Harvard.
Leo D. Stein.
William Plunket Stewart.—Baltimore.
Albert Gad Stidman.—Instr. Mod. Lang., Lehigh, S. Bethlehem, Pa.
William Ellinger Straus.—Baltimore.
Joseph Nathan Ulman, A. M., Columbia, 1900.—Atty. at Law, Balt.
John Boswell Whitehead, Profic. in Elec., 1893, Ph. D., 1902.—Assoc. Prof. Elec.
Powhatan Johnson Wooldridge.—Louisville, Ky.
Jacob Forney Young.—Baltimore.
Rev. Charles Smith Lewis (*extra ordinem*), S. T. B., Gen. Theol. Sem., N. Y., 1895.—Clergyman, Elmsford, N. Y.
(48

1899

James Robert Charlton Armstrong, Profic. in Elec., 1899.—Gen. Elec. Co., N. Y.
George Diuguid Davidson.—Prof. Mod. Lang., Rawlings Inst., Charlottesville, Va.
Henry Carter Downes. LL. B., Univ. of Md., 1901.—Atty. at Law, Balt.
Ferdinand Colquhoun Fisher.—Baltimore.
Walter Melvin Fooks.—Atty. at Law, Balt.
Eddy Burke Fosnocht.—Mod. Lang. Master, Cheltenham Acad., Ogontz, Pa.
Simon Walter Frank.—Baltimore.
John Calvin French, (F).—Instr. English.
*Charles Carter Gaddess. **June* 16, 1901.
John Reed Gemmill.—Denver, Colo.
Harry Seliger Greenbaum, M. D., 1904.—Physician, Balt.
Robert Harold Grimes, LL. B., Harvard, 1902.—Atty. at Law, N. Y.
Clarence Maurice Guggenheimer. — New York.
Hugh Sisson Hanna.—Baltimore.
Stephen Paul Harwood.—Atty. at Law, Balt.
Louis Wardlaw Haskell, Jr., M. D., 1903.—Physician, N. Y.
Talbot Dickson Jones.—Baltimore.
Leon Lewis Joyner.—Baltimore.
Karl Jungbluth, Jr.—Louisville, Ky.
John Albert Kalb.—Princ., High School, Hamburg, N. J.
John Hendricken King.—Med. Student.
George Wroth Knapp, Jr.—Baltimore.
Walter Marshall Krager.—Baltimore.
Herman Kurrelmeyer, (F), Ph. D., 1902.—Instr. Mod. Lang., Mass. Inst. Tech.
*Joshua Levering, Jr. **August* 23, 1900.
James Morfit Mullen.—Baltimore.
Philip Austen Murkland, LL. B., Univ. of Md., 1901.
Edward Livingston Palmer, Jr.—Balt.
John Howard Palmer.—Baltimore.
Charles Mallory Remsen, M. D., 1904.—House Officer.
Lawrence Anton Reymann.—Wheeling, W. Va.
Edward Ayrault Robinson, Jr.—Atty. at Law, Balt.
George Canby Robinson, M. D., 1903.—Res. Pathologist, Pa. Hosp., Phila.
William Leavell Ross.—Pittsburg, Pa.
Edwin Albert Spilman.—Baltimore.
Renè de M. Taveau.—Chemist, Balt.
Richard Henry Thomas.—Chemist, Newark, N. J.
Ottomar Siegmund Werber. (38)

1900

Rev. Roger Brooke Taney Anderson, S. T. B., Gen. Theol. Sem., N. Y., 1903.—Clergyman, Boston.
Howard Baetjer, C. E., Mass. Inst. Tech., 1902.—Civil Engineer, Pittsburg.
Christian John Beeuwkes.—Atty. at Law, Balt.
Henry Bogue.—Washington, D. C.
Byron Noble Bouchelle.—Chesapeake City, Md.
Austin Adams Breed.—Cincinnati, O.
Charles Edward Brooks, Ph. D., 1904.—Newark, N. J.
Edward Skipwith Bruce.—Baltimore.
James Luther Albert Burrell.
Rev. Lyttleton Morgan Chambers.—Clergyman, Balt.
Christopher Thompson Clark, LL. B., Columbian, 1903.—Atty. at Law, Washington.
McQuilkin DeGrange. — Asst. English, Univ. of Washington, Seattle.
John Howard Eager.—New York.
Rev. John Edward Ewell, Va. Theol. Sem., 1903.—Clergyman, Balt.
Frederick Bonner Flinn.—Newark, N. J.
Frederick Foster.—Student of Law, Univ. of Md.
Otto Charles Glaser, Ph. D., 1904.—Bruce Fellow.
Joseph David Greene.—Atlanta, Ga.
John Wheeler Griffin, LL. B., Harvard, 1903.—Atty. at Law, N. Y.
Stuart Heyman.—Baltimore.
Henry Dickinson Hill, Ph. D., 1904.—N. Y. Telephone Co.
John Philip Hill, LL. B., Harvard, 1903.—Atty. at Law, Balt.
Edward Pechin Hyde, (F), Fellow by Courtesy ; Asst., U. S. Bureau of Standards, Wash.
Albert Keidel, M. D., 1903.—Physician, Balt. ; Clin. Asst. Medicine.
Robert Clark Kerr.—Baltimore.
Maurice Lazenby, M. D., 1903.—House Physician, Church Home, Balt.
Donald Macy Liddell.—Baltimore.
Norvin Rudolf Lindheim.
Leonard Leopold Mackall.—Grad. Student.
T. Hartley Marshall.—Baltimore.
Reginald Ley McAll.—New York.
Jared Sparks Moore, A. M., Harvard, 1903.—Asst. Philos., Harvard.
James Girvin Peters, Grad. in Forestry, Yale, 1903.—Asst., U. S. Forest Service, Wash.
Tobias Nöel DeLoughmoe Purcell.—Grad. Student.
Robert Bruce Roulston, (F). — German Master, Country School for Boys, Balt., 1905—.
Frank Peyton Rous.—Medical Student.
James Edward Routh.—Grad. Student.
Alexander Van Rensselaer Schermerhorn. —Atty. at Law, Balt.
Wilson Levering Smith.—Architect, Balt.
Miltenberger Neale Smull.—Baltimore.
James Carlyle Stevens.—Norfolk, Va.

George Lane Taneyhill, Jr., M. D., 1904.—Physician, Balt. ; Externe.
Bayard Turnbull.—Architect, N. Y.
Miller Wingert.
Nathan Winslow, M. D., Univ. of Md., 1901.—Physician, Balt.
Arthur Wright.—Asst. Examiner, U. S. Patent Office, Washington.

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1901

Ronald Taylor Abercrombie.—Student of Medicine.
Hollis Roswell Baker.—Aberdeen, Md.
Leon Kahn Baldauf.—Student of Medicine.
Rev. John Martin Bandel, Auburn Theol. Sem., 1904.
Bertram Moses Bernheim.—Med. Student.
Andrew Reid Bird.—Student, Presb. Theol. Sem., Richmond.
John Manning Booker.—Student in Germany.
Norman Boyer.—Philadelphia.
John Straith Briscoe.—Baltimore.
Ernest Bonsall Brown.—Dept. of Agric., Washington.
*Alfred William Bruton. **May* 1, 1903.
Mortimer Bye.—Chemist, Balt.
Harry Stephenson Byrne.—Omaha, Neb.
George Cator, Ph. D., 1902.—Prest., Amer. Bonding Co., Balt.
Kosciusko Walker Constantine.—Student of Medicine.
Frederick Richard Dapprich.—Instr. German, Purdue, Lafayette, Ind.
Robert Sergeant Duck.—Baltimore.
Aaron Ember, (F), Ph. D., 1904.—Rayner Fellow.
Leyburn Grear Fishach.—Baltimore.
John Frederick Gray.
William Hall Harris, Jr.—Atty. at Law, Balt.
Ernest Cummins Hatch.—Student of Law, Univ. of Md.
Lee Milton Hollander, (F).—Fellow by Courtesy.
Walter Isaac Kohn.—Louisville, Ky.
Eugene Joseph Leopold.—Med. Student.
Edward Breckenridge Lowndes.—Balt.
John Gresham Machen.—Student, Princeton Theol. Sem.
Robert Brooks Morse, S. B., Mass. Inst. Tech., 1904.—Naval Architect, Wash.
Rev. Edward Richards Noble, Gen. Theol. Sem., N. Y., 1904.
George Edward Rehberger.—Med. Student.
John Adelbert Riggins, LL. B., Univ. of Pa., 1904.—Atty. at Law, Camden, N. J.
Forrest Shreve, (F).—Fellow in Botany.
Rev. William Payne Shriver, Union Theol. Sem., N. Y., 1904.
Guy Everett Snavely.—Grad. Student.
Lindsay Coleman Spencer.—Atty. at Law, Baltimore.
Julian Samuel Stein.—Baltimore.
*Otto Albert Struth. **September* 1, 1902.
Walter B. Swindell, Jr.—Baltimore.
James Edward Tyler, Jr.—Atty. at Law, Balt.
Henry Michael Warner, M. E., Univ. of Wis., 1903.
Augustus Price West.—Grad. Student.
Horace Slingluff Whitman.—Atty. at Law, Balt.
Marcus Wilton Wolf, Jr.—Student of Law, Univ. of Md.

(43)

1902

Edward Bailey Beasley.—Med. Student.
Henry Beeuwkes.—Med. Student.
Elbridge Palmer Bernheim. — Louisville, Ky.
William Jenkins Buttner.—Md. Steel Co., Sparrow's Pt.
John Gorsuch Campbell.—Instructor, St. James School, Md.
Robert Treat Crane, (F).—Fellow, Polit. Sci.
Albert Goucher Dew.—Baltimore.
Ross Miles Diggs.—Baltimore.
Joseph Townsend England.—Student of Law, Univ. of Md.
Horace Clendenin Gillespie. — Chemist, Camden, N. J.
John Sharshall Grasty.—Grad. Student.
Frederick Lee Guggenheimer.—Baltimore.
Rev. John Phelps Hand.—Clergyman, Balt.
Henry Honeyman Hazen.—Med. Student.
Louis Foltat Hildebrandt.—Grad. Student.
William Bryant Hill.—Baltimore.
William Edwin Hoffman, Jr.—Grad. Student.
William Kirk, (F).—Fellow by Courtesy.
William Howard Koppelman.—Civil Eng., Balt.
David Israel Macht.—Student of Medicine.
Ogle Marbury.—Atty. at Law, Balt.
Charles Markell, Jr.—Atty. at Law, Balt.
Bartgis McGlone.—Instr. Biol. and Geol., Ill. Wesleyan, Bloomington.
Robert Emory Moore.—Med. Student.
Lyman Clements Murphy.—Med. Student.
Charles Augustus Myers.—Grad. Student.
John Norris Myers, Jr.—Baltimore.
Marbury Bladen Ogle.—Univ. Scholar.
Aubrey Pearre, Jr. — Student of Law, Harvard.
Isaac Rosenbaum Pels.—Med. Student.
Thomas Coulson Pinkerton. — Student, Mass. Inst. Tech.
Milton Williams Powell.
Benjamin Swayne Putts.—Med. Student.
Charles Frederick Ranft.—Grad. Student.
Walter Ford Reynolds.—Grad. Student.
Jacob Abner Sayler, Jr.—Student of Law, Harvard.
William Christian Schmeisser. — Grad. Student.
Ralph Carlton Sharretts.—Atty. at Law, Balt.
Lloyd Parker Shippen. — Med. Student, Univ. of Pa.
Gibson Emerson Sisco.—Fort Wayne, Ind.
John Aydelotte Slemons.—Baltimore.
Sidney Smith.—Law Student, Harvard.
Harvey Brinton Stone.—Med. Student.
Henry Philip Straus.—Grad. Student.
Solomon Strouse.—Medical Student.
Samuel Wolman.—Medical Student.
Peregrine Wroth, Jr.—Medical Student.

(47)

1903

John Armstrong Addison.—Grad. Student; Sec. Y. M. C. A.
Louis Adelsdorf.—Baltimore.
William Wetherall Ammen. — Student, Mass. Inst. Tech.

Harry Norman Baetjer. — Law Student, Univ. of Md.
Arthur Newsom Baldauf. — Henderson, Ky.
Edgar Sutro Bamberger.—Baltimore.
William Sellman Bird.—Baltimore.
Frederick Conrad Blanck.—Grad. Student.
Solomon Blum.—Grad. Student.
James Wallace Bryan.—Law Student, Univ. of Md. ; Grad. Student.
Jenks Cameron.—Law Student, Balt.
James Bayard Gregg Custis, Jr.—Student, Homeopath. Med. Coll., N. Y.
Alphonse Raymond Vivian Dochez.—Med. Student.
Theodore Wesley Glocker.—Grad. Student.
John Alan Haughton.—Baltimore.
Franklin Hazlehurst, Jr.—Med. Student.
Moses Walton Hendry.—Class Instr., High School, Camden, N. J.
John Coffey Hildt.—Univ. Scholar.
Eben Charles Hill.—Med. Student.
Richard Curzon Hoffman, Jr.—Baltimore.
Stuart Cator Hopper.—Baltimore.
Robert Sampson Lanier.—New York.
Charles Alexander Marshall.—Baltimore.
Rev. Benjamin Wilcher Meeks. — Clergyman, Balt.
McHardy Mower.—Student of Law, S. C. Coll., Columbia.
William Urwick Murkland. — Colon, Panama.
John Marbury Nelson, Jr.—Baltimore.
Rev. Robert James Nicholson.
Robinson Cator Pagon.—Baltimore.
William Turner Parsons.—Med. Student.
Eugene Leo Pessagno.—Med. Student.
Harry Ward Plaggemeyer.—Med. Student.
Charles Woodward Riley.—Med. Student.
Charles Albert Robinson, Jr. — Student, Cornell.
Edgar Poe Sandrock.—Med. Student.
Joseph Tate Smith, Jr.—Med. Student.
Wilton Snowden, Jr.—Law Student, Univ. of Md.
Philip Rayner Straus.—Baltimore.
George Drayton Strayer. — Fellow and Instr., Elem. Educ., Teachers Coll., N.Y.
Charles Henry Stubenrauch. — Med. Student.
Harry King Tootle.—Baltimore.
George William Townsend.—Civil Engr., Balt.
James de Lancey Ver Planck.— Fishkill, N. Y.
Harry Augustus Warner, S. B., Princeton, 1904.
Milton Charles Winternitz. — Med. Student.
Alexander Yearley, 3d. — Law Student, Univ. of Md. (46)

1904

Sidney Herman Adler.—Med. Student.
Charles Robert Austrian.—Med. Student; Univ. Scholar.
Jesse Lee Bennett.—New York.
Joseph Robson Bromwell Branch.—Med. Student.
William Edmonston Crozier.—Instr. Engl. and Hist., Ala. Polytechnic, Auburn.
Philip Dettelbach.—Baltimore.
John William Emig.
Sidney Charles Erlanger.—Baltimore.
George Andrew Foster.
Ralph Ottomar Fuerbringer.— Med. Student; Univ. Scholar.
Alfred Logsdon Geiger.—Baltimore.
Josias Clerk Lee Hawkins.— Library of Congress.
Harry H. Humrichouse.—Baltimore.
William Muse Hunley.—Baltimore.
Andrew Dickson Jones, Jr.—Grad. Student.
Walter William Kohn.—Baltimore.
Wilbur Leslie LeCron.—Med. Student.
Roy Stiles Licking.
Henry Loane Lloyd.—Baltimore.
Henry Charles Ernest Louis. — Student, Cornell.
William Howard Matthai.—Baltimore.
John McGlone.—Student, Cornell.
Henry Clay Miller.—Baltimore.
Harry Edward Muhly.—Baltimore.
Clarence Alfred Neal.—Baltimore.
Reginald Stevenson Opie.—Baltimore.
Frank Gibson Porter.—Med. Student.
Merrill Rosenfeld.—Baltimore.
Gerald Benjamin Rosenheim.—Law Student, Columbia.
Charles Henry Saylor.—Univ. Scholar.
Samuel Hyman Schapiro.
John Bushrod Schwatka.—Med. Student.
Frank Stollenwerck, Jr.—Law Student, Harvard.
Lyttleton Morgan Tough, Jr.—Baltimore.
Leonard Griffith Wallis.—Baltimore.
Newton Edward Washington Wayson.— Baltimore.
Luther Martin Reynolds Willis.—Grad. Student. (37)

1905

[*February* 22]

Riggin Buckler.—Field Sec., Md. State Library Commission.
Sifford Pearre.—Baltimore. (2)
(841)

Proficient in Applied Electricity

When the institution is not named, this university is to be understood. (F) indicates that the person has held a fellowship here. *—Died.

1889

Cary Talcott Hutchinson, (F), Ph. B., Wash. Univ., 1886; Ph. D., 1889, Acting Assoc. Prof. Elec., 1898-99.—Consulting Eng., N. Y.

Joseph Lee Jayne, U. S. Naval Acad., 1882; Lieut., U. S. Navy; Bureau of Elec., Navy Dept., Wash.

Henry Haslehurst Wiegand, A. B., 1885.—Elec. Eng., Balt.

*Gilbert Wilkes, U. S. Naval Acad., 1881; Lecturer, Univ. of Wis., 1892-94. (4)

1890

William Julian Albert Bliss, A. B., Harvard, 1888; Ph. D., 1894; Instr., Woman's Coll., Balt., 1894-95.—Coll. Prof. Physics.

James Shaler Hodges, A. B., 1886.—Elec. Engr., Balt. (2)

1891

Charles Griffin Edwards, S. B., St. John's, 1889.—Asst. Engr., Elec. Commission, Balt.; Grad. Student. (1)

1892

*Kurt Carl Breithaupt. *January 27, 1897.

William Hand Browne, Jr., A. B., 1890; Instr., Univ. of Neb., 1896-98; Asst. Prof., Univ. of Ill., 1898-1902.—Tech. Ed., Electrical Review, N. Y.

*Henry Wakefield Frye, A. B., Colby, 1889. *June 20, 1894.

George Henry Hutton, Jr.—Baltimore.

Robert Reuel Hutton.—Instr. Elec., Wash. and Lee, Lexington, Va.

Norman Crawford McPherran, A. B., Pa. Coll., 1889.—Hagerstown, Md.

Hugh Pattison.—Pa. Steel Co., Harrisburg.

Charles William Wardner, Ph. B., A. B., 1895, Ph. D., 1897, Asst., 1895-96; Instr., Williams, 1896-1901.—Physicist, Bureau of Standards, Wash.

Arthur Judson Warner, A. B., Marietta, 1889.—San Francisco, Cal.

1893

[illegible]

1894

William Pierce Anderson, A. B., Harvard, 1892.

John Woodside Corning.—Elec. Engr., Boston.

Lewis Warrington Cottman.—Baltimore.

Harvey Cavendish Darrell.—Baltimore.

Peter Conover Hains, Jr., U. S. Naval Acad., 1893.—U. S. Artillery, Ft. Riley, Kan.

Stephen Quentin Hayes, A. B., Georgetown, D. C., 1892.—Westinghouse Co., Pittsburg.

Douglas Alexander Howard, U. S. Mil. Acad., 1878.—Captain (retired), U. S. A.

Andrew Ellicott Maccoun.—Electrician, Carnegie Steel Co., Pittsburg.

James Warren McCroskey, S. B., Univ. of Neb., 1891.—Electrician, Buenos Ayres.

Henry Hutchinson Norris, M. E., Cornell.—Asst. Prof. Elec. Eng., Cornell.

Charles Edward Phelps, Jr.—Chief Eng., Elec. Commission, Balt.

Alfred Magill Randolph, Jr., A. B., 1891.—Elec. Engr., Manchester, Eng.

Samuel Reber, U. S. Mil. Acad., 1886.—Colonel and Instr., Signal Service, U. S. A.

Franklin Roberts.—Elec. Engr., Baltimore.

Theodore Straus.—Baltimore.

John Saunders Taylor.—Atty. at Law, Norfolk, Va.

Frank McSherry Thomas.—Electrician, Philadelphia.

Wallace Durant White.—Baltimore.

James Ware Young.—Electrician, Phila. (19)

1895

[illegible]

Dickinson Sem., 1891.—Gen. Elec. Co., Schenectady, N. Y.
Alexander McIver, Jr., A. B., Univ. of N. C., 1890.—Gen. Elec. Co., Schenectady, N. Y.
Joseph Mullen, Jr.—Elec. Engr., Petersburg, Va.
Charles Reutlinger.—Elec. Engr., Balt.
John Jacob Rothermel, A. B., Franklin and Marshall, 1893. — Instr. Physics, Wash. High School.
Frank Semple Wilcox, S. C. Mil. Acad., 1893. (10)

1896

Matthew Maury Corbin.—Gen. Elec. Co., Schenectady, N. Y.
Isidor Deutsch.
Hugh Miller Fraser, S. B., Ky. State, 1889. —Electrician, Lexington, Ky.
James Holdsworth Gordon, Jr.—Electrician, N. Y. Telephone Co.
Horace Marshall Harriman, Jr. — Elec. Engr., Baltimore.
Malcolm Wescott Hill.—Elec. Contractor, Baltimore.
George Harwood Hodges. — Electrician, N. Y. Telephone Co.
Jasper Alan McCaskell, S. B., Loyola, 1895; E. M., Columbia, 1900.—Chicago.
George Stevens Maynard, A. B., 1894.—Gen. Elec. Co., Schenectady, N. Y.
Henry Todd Powell.—Elec. Engr., Balt.
Charles Leonard Reeder. — Consulting Engr., Baltimore.
Martin Schwab.—Elec. Engr., Baltimore.
James Mowton Saunders Waring.—Elec. Engr., Balt. (13)

1897

Wyatt Hamilton Allen, Ph. B., Yale, 1896. —Elec. Engr., N. Y.
Joseph Hockman Bowman, A. B., Franklin and Marshall, 1893.—Engineer, Tonala, Mexico.
Walter Herman Eisenbrandt.—Elec. Engr., Baltimore.
David Sterrett Pindell, A. B., 1895.—Elec. Engr., Sault Ste. Marie, Mich. (4)

1898

George Edward Bartell.—Baltimore.
William Burke Brady, M. E., Lehigh, 1897. —Elec. Engr., Brooklyn.
*Edmund Frank, S. B., Rose Polytech., 1897. **July*, 1901.
William Schrofield Gorsuch, Jr. — Elec. Engr., Balt.
Richard Cameron Haldeman, A. B., Yale, 1896.—Westinghouse Co., Pittsburg.
William Lemmon Hodges. — Electrician, Philadelphia.
Ferdinand Brauns Keidel.—Gen. Elec. Co., Schenectady, N. Y.
Bertram Motter Kershner.—Elec. Engr., St. Louis.
Charles J. Spencer.—Electrician, N. Y. (9)

1899

James Robert Charlton Armstrong, A. B., 1899.—Gen. Elec. Co., N. Y.
Robert Buchanan Beale, S. B., Md. Agric., 1896.—Gen. Elec. Co., Schenectady, N. Y.
Reinier Koller Beeuwkes. — Electrician, N. Y.
William Trout Everett.
James William Swaine.—Elec. Engr., Balt. (5)

(91)

Libraries

1. The University Library numbers over 121,000 bound volumes, selected with special reference to the instruction here given. It is arranged in several collections, of which these are the chief:

General Reference.	Oriental Languages.
Historical and Political.	Modern Languages.
Mathematical and Physical.	The McCoy Art Library.
Chemical.	Medicine.
Biological.	Physiology and Anatomy.
Geological.	Philosophy and Psychology.
Classical.	

The reference library and reading room is open daily from 9 a. m. to 6 p. m.; the other rooms in accordance with special regulations.

The library receives the publications of the leading scientific societies of the world and the chief literary and scientific periodicals. The whole number of serials received exceeds one thousand. This list is supplemented by those of the Peabody Institute and other institutions, so that the whole number of journals accessible (exclusive of ephemeral publications) exceeds twelve hundred. Important books are received by the library as soon as published, by purchase or by the courtesy of dealers.

2. The Peabody Library is a choice collection of books purchased since 1866. It is particularly full in academic transactions, long historical series, and costly illustrated books. It numbers 153,000 volumes, well bound, catalogued, and arranged. It is open daily, without charge, from 9 a. m. to 10.30 p. m.

3. The Enoch Pratt Free Library numbers 228,000 volumes, and is open daily, without charge.

4. The Maryland Historical Society Library contains 42,000 volumes of historical works, and is open daily.

5. Other libraries of Baltimore are the New Mercantile Library (77,000 volumes), the Bar Library (22,000 volumes), the Medical and Chirurgical Library (14,000 volumes), the Maryland Diocesan Library (32,000 volumes).

6. Washington is so near that its museums and libraries may be easily visited. Among the chief institutions of interest to students are these:

The Library of Congress.
The Smithsonian Institution and National Museum.
The Army Medical and Surgical Museum and Library.
The U. S. Coast and Geodetic Survey.
The U. S. Geological Survey.
The U. S. Naval Observatory.
The Libraries of the Departments and Bureaus.
The Corcoran Art Gallery.

Regulations of the Treasurer's Office

I. The Treasurer's Office is open daily from 9 a. m. to 4 p. m.

II. All bills should be presented at that place, endorsed as correct by the person under whose authority the expense has been incurred.

III. No member of the academic staff is allowed to incur a bill in the name of the university, unless authority is given for the same by the Trustees, in advance, either as an item in the annual budget, or as a special appropriation. Blank forms of application are provided for special requisitions.

IV. Orders for books and apparatus to be imported from Europe will not be considered authorized, unless countersigned by the President or the Treasurer of the university.

All goods must be consigned to and addressed "The Johns Hopkins University, Baltimore, Md." Goods for other parties (societies or individuals) must not be included in the university cases. Invoices, sworn to before the U. S. Consul, must be sent by mail, and a duplicate invoice by the following mail, both addressed to The Johns Hopkins University.

Unless otherwise ordered, goods from Europe should be sent as follows:

From Germany by the North German Lloyd steamers sailing for Baltimore from Bremen; from England by steamship lines from Liverpool to Baltimore; from France and Italy, via Havre and Liverpool.

Printed copies of instructions to shippers, which can be obtained at the Treasurer's Office should in all cases be enclosed with the orders.

V. The Treasurer's Office will make purchases, at wholesale rates, of supplies which are required for the current needs of the university.

VI. Such pass books as are authorized by the Treasurer should be presented for balance and settlement every month.

VII. The wages of all persons employed by the university will be paid at the Treasurer's Office.

VIII. When C. O. D. packages are expected, previous arrangements should be made for their reception.

IX. Outlays made for individuals (express parcels, postage, telegraph messages, etc.) should be settled at once.

X. An annual allowance is made by the Trustees, in the budget, for such expenses as they approve, and in deciding on the items they are governed by a consideration of the general interests of the university, as well as by the needs of special branches of instruction. Balances to the debit or credit of any account are carried forward to the new account at the opening of each financial year (September 1). A statement of the amount of the balance and of any additional appropriation will be communicated to the parties severally interested, if requested, after the Trustees' meeting in October.

PUBLICATIONS ISSUED AT THE JOHNS HOPKINS UNIVERSITY

I. American Journal of Mathematics

This journal was commenced in 1878, under the editorial direction of Professor Sylvester. Professor Frank Morley is now the editor. Twenty-six volumes of about 400 pages each have been issued, and the twenty-seventh is in progress. It appears quarterly. Subscription $5 per year. Single numbers $1.50. A very few complete sets remain. These will be sold for $125 per set.

II. American Chemical Journal

This journal was commenced in 1879, with Professor Remsen as editor. Thirty-two volumes have been issued, and the thirty-third is in progress. This journal appears monthly. Two volumes of six numbers and of about 500 pages each are issued yearly. Subscription $5 per year. Single numbers 50 cents.

III. American Journal of Philology

The publication of this journal commenced in 1880 under the editorial direction of Professor Gildersleeve. Twenty-five volumes of about 500 pages each have been issued, and the twenty-sixth is in progress. It appears four times yearly. Subscription $3 per volume. Single numbers $1.

IV. Studies from the Biological Laboratory

The publication of these papers commenced in 1879, under the direction of Professor Martin, with the assistance of Professor W. K. Brooks. Five volumes of about 500 pages, octavo, and 40 plates each have been issued.

V. Studies in Historical and Political Science

The publication of these papers was begun in 1882, under the editorial direction of Professor H. B. Adams. Dr. Vincent, Dr. Willoughby, and Dr. Hollander are now the editors. Twenty-two series are now completed and the twenty-third series is in progress. A number of extra volumes have also been issued. Subscription $3 per volume. The set of twenty-two regular series will be sold for sixty-six dollars.

VI. Memoirs from the Biological Laboratory

These monographs are issued under the editorial direction of Professor W. K. Brooks. Volume V is now complete.

VII. Johns Hopkins University Circular

The publication of these Circulars began in December, 1879, and 176 numbers have since been issued. Subscription $1.00 per year.

VIII. Contributions to Assyriology and Semitic Philology

The publication of this journal was begun in 1889. Professor Paul Haupt, of the Johns Hopkins University, and Professor Friedrich Delitzsch, of the University of Berlin, are the editors. Volume V is in progress.

IX. Reprint of Economic Tracts

Professor J. H. Hollander, editor. First Series, 1903, $1.50; Second Series in progress, $1.00.

X. The Johns Hopkins Hospital Reports

These reports are edited by the Medical Faculty of the university and published for the Johns Hopkins Hospital. Their publication was begun in 1890. Volume XII is in progress. Price $5 per volume. The set of eleven volumes will be sold for sixty dollars.

XI. The Johns Hopkins Hospital Bulletin

The publication of this Bulletin began in 1889. It is published monthly. Volume XVI is in progress. Subscription $2.00 per year.

XII. Modern Language Notes

This journal is edited by Professor A. M. Elliott and his associates in the Modern Language Department. It appears monthly. The twentieth volume is in progress. Price $1.50 per year.

XIII. The Journal of Experimental Medicine

The publication of this journal was begun in 1896. Under the direction of Professor W. H. Welch six volumes were published. The set of six volumes will be sold for forty dollars.

XIV. American Journal of Insanity

This journal is under the direction of Professor Henry M. Hurd as editor in chief. It appears quarterly. Subscription $5 per year.

XV. Terrestrial Magnetism and Atmospheric Electricity

This journal is edited by Dr. L. A. Bauer. It appears quarterly. Volume X is in progress. Subscription $2.50 per year.

XVI. Reports of the Maryland Geological Survey

These reports are under the editorial direction of Professor W. B. Clark, Director of the Survey.

XVII. Reports of the Maryland Weather Service

These reports are under the direction of Professor William B. Clark, Director of the Service.

XVIII. Annual Report

Presented by the President to the Board of Trustees, reviewing the operations of the university during the past academic year.

XIX. Annual Register

Giving the list of the officers and students and containing detailed statements as to the regulations and work of the university.

Announcements of the Graduate, Collegiate, and Medical Courses of Instruction are issued yearly and will be sent on application.

Some of the principal separate publications issued by the Johns Hopkins Press are:

THE PHYSICAL PAPERS OF HENRY A. ROWLAND. 716 pages, royal octavo. $7.50.

BALTIMORE LECTURES ON MOLECULAR DYNAMICS AND THE WAVE THEORY OF LIGHT. By Lord Kelvin. 716 pages, octavo. $4.50.

PHOTOGRAPHIC REPRODUCTION OF THE KASHMIRIAN ATHARVA-VEDA. Edited by Professor Bloomfield. 3 vols., folio. $50.

STUDIES IN HONOR OF PROFESSOR GILDERSLEEVE. 527 pages, octavo. $6.00.

PHOTOGRAPHS OF THE NORMAL SOLAR SPECTRUM. By Professor H. A. Rowland. Set of ten plates, $20.

A NEW CRITICAL EDITION OF THE HEBREW TEXT OF THE OLD TESTAMENT. Now in progress. Prospectus on application.

A COMPLETE FACSIMILE EDITION OF THE TEACHING OF THE APOSTLES. 110 pages quarto and 10 plates. $5.00.

REPRODUCTION OF A SYRIAC MANUSCRIPT OF THE ANTILEGOMENA EPISTLES. 17 phototype pages. $3.00.

DESCRIPTION OF THE JOHNS HOPKINS HOSPITAL. 116 pages, 4to, and 56 plates. $10.

SELECTIONS FROM THE EARLY SCOTTISH POETS. By William Hand Browne. $1.25.

A MONOGRAPH OF THE GENUS SALPA. By W. K. Brooks. 400 pages and 57 plates. $7.50.

THE FINANCIAL HISTORY OF BALTIMORE. By J. H. Hollander. 400 pages, 8vo. $2.00.

CUBA AND INTERNATIONAL RELATIONS. By J. M. Callahan. 503 pages, 8vo. $3.00.

THE AMERICAN WORKMAN. By E. Levasseur. (Translation). 540 pages, 8vo. $3.00.

THE DIPLOMATIC RELATIONS OF THE UNITED STATES AND SPANISH-AMERICA. By John H. Latané. (The Albert Shaw Lectures on Diplomatic History.) 294 pages, 12mo. $1.50.

THE DIPLOMATIC HISTORY OF THE SOUTHERN CONFEDERACY. By J. M. Callahan. (The Albert Shaw Lectures on Diplomatic History.) 304 pages, 12mo. $1.50.

STUDIES IN TYPHOID FEVER. By William Osler and others. Series I, II, III. 776 pages, 8vo. $5.00.

THE MALARIAL FEVERS OF BALTIMORE. By W. S. Thayer and others. 280 pages, 8vo. $2.75.

STUDIES IN STATE TAXATION WITH PARTICULAR REFERENCE TO THE SOUTHERN STATES. 254 pages, 8vo. $1.25.

POEMA DE FERNAN GONÇALEZ. Critical Text by C. Carroll Marden. 274 pages, 8vo. $2.00.

THE TAILL OF RAUF COILYEAR. Edited by William Hand Browne. 164 pages, 8vo. $1.00.

BIBLIOGRAPHIA HOPKINSIENSIS. A list of publications by members of the university. Now in progress.

DISSERTATIONS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN THE JOHNS HOPKINS UNIVERSITY.

SCIENTIFIC SOCIETIES

1. The Scientific Association, meeting monthly, under the presidency of Professor Ames.

2. The Philological Association, meeting monthly, under the presidency of Professor Gildersleeve.

3. The Historical and Political Science Association, meeting fortnightly.

4. Naturalists' Field Club, which makes weekly excursions during the spring and autumn and holds monthly meetings for the presentation and discussion of papers.

There are also companies which meet weekly in the laboratories for the reading of the scientific journals, and seminaries in several departments of study.

Historical Statement

The Johns Hopkins University was founded by the munificence of a citizen of Baltimore, Johns Hopkins, who bequeathed the most of his large estate for the establishment of a University and a Hospital.

1867, August 24.	Incorporation of the Johns Hopkins University.
1870, June 13.	Organization of the Board of Trustees.
1873, December 24.	Death of the Founder [born May 19, 1795].
1874, February 6.	First Business Meeting of the Trustees.
1874, December 30.	Election of a President of the University.
1876, February 22.	Inauguration of President Gilman.
1876, October 3.	Instruction of students began.
1886, April 26.	Celebration of the Tenth Anniversary.
1889, May 7.	Opening of the Johns Hopkins Hospital.
1893, October 1.	Opening of the Medical Department.
1894, October 1.	Opening of McCoy Hall.
1901, February 22.	Resignation of President Gilman.
1901, June 3.	Election of President Remsen.
1902, February 21, 22.	Celebration of the Twenty-fifth Anniversary.
1902, February 22.	Inauguration of President Remsen.
1902, February 22.	Gift of a New Site for the University.
1902, July 1.	Gift of a Million-Dollar Endowment Fund.

STATEMENTS IN RESPECT TO THE COURSES OF INSTRUCTION

The Johns Hopkins University offers instruction to the following classes of students:

I. UNDER THE FACULTY OF PHILOSOPHY

1. College graduates, who may proceed to the degree of Doctor of Philosophy, or may work for longer or shorter periods in the various seminaries and laboratories without reference to a degree.

2. Undergraduate students looking forward to the degree of Bachelor of Arts and following any one of seven parallel groups of study.

3. Students who have not taken a degree and are not looking forward to a degree, but who desire to avail themselves of the opportunities here afforded.

II. UNDER THE FACULTY OF MEDICINE

1. Candidates for the degree of Doctor of Medicine, for whom a four years' course is provided. These candidates must be college graduates, or must give evidence, by examination, that they possess attainments indicated by a baccalaureate degree in arts or science. Women are admitted on the same terms as men.

2. Doctors of Medicine desiring to pursue certain special courses, which are annually announced.

I. FACULTY OF PHILOSOPHY

Advanced and graduate students are received whether they are candidates for a degree or not, and they are permitted to attend such lectures and exercises as they may select. On enter-

ing the university they are expected to present their diplomas and certificates from the institutions with which they have been connected, and also letters of introduction. They are not examined by the university for admission, but each instructor satisfies himself of the attainments of those who wish to follow his guidance, before admitting them to his classes.

The professors are free to give personal counsel and instruction to those who seek it; books and instruments adapted to investigation and advanced work have been liberally provided; seminaries limited to a few advanced students have been organized in various subjects; societies devoted to philology, to mathematical, physical, and natural science, and to history and political science, afford opportunities for the presentation of memoirs and original communications, and there are also clubs for the reading and discussion of philological, biological, physical, geological, and chemical papers; during the year courses of lectures are given by resident and non-resident professors on topics to which they have given special attention; the libraries of the Peabody Institute and Maryland Historical Society, founded for the advantage of scholars, are easily accessible; the issuing, under the auspices of the Trustees, of publications devoted to mathematics, chemistry, philology, biology, the modern languages, and history, brings the university into advantageous connection with other foundations; and the university reading room, which is constantly open, is liberally supplied with new and standard books and with the literary and scientific journals of this and other lands.

Instruction is carried on in the different departments by methods which vary with the nature of the subject and the character and proficiency of the scholars; but in all alike the end is the same,—that, while the student is becoming familiar with the work prosecuted and the results attained elsewhere, and is adding to his general intellectual culture, he may be encouraged to become himself an independent and original investigator in his chosen field of labor. Within reasonable limits the university will provide such books, apparatus, and material as may be requisite for this purpose.

The principal subjects in which advanced instruction is now provided are these :

Mathematics.	Latin.
Physics.	Sanskrit and Comparative Philology.
Chemistry.	Semitic Languages.
Geology, Mineralogy, and Petrography.	Anglo-Saxon and English.
Zoology.	Romance Languages.
Botany.	German.
Physiology.	History.
Anatomy.	Political Economy.
Pathology.	Political Science.
Greek.	Philosophy and Psychology.

Mathematics

The instruction in Mathematics is under the charge of Professor Morley, with the aid of Dr. Hulburt, Collegiate Professor of Mathematics, Dr. Cohen, Associate, and Dr. Coble, Instructor.

The less advanced subjects are nearly the same every year. The more advanced courses vary from year to year, and are so arranged that a student who remains here two or three years may receive continued and systematic guidance in the main lines of modern mathematical research. The subjects of the advanced courses may be broadly classified as follows :

Theory of Numbers, Theory of Finite Groups, Theory of Transformation Groups, Theory of Invariants.

Higher Plane Curves, Line Geometry, Geometry of Circles and Spheres, General Projective Geometry, Differential Geometry.

Theory of Functions of Real Variables, Theory of Functions of a Complex Variable, Theory of Functions of Two Complex Variables ; Elliptic Functions, Elliptic Modular Functions ; General Automorphic Functions, Abelian Functions, Ordinary Differential Equations, Partial Differential Equations ; Calculus of Variations.

Kinematics, Theoretical Dynamics, Theory of the Potential, Theory of Probabilities.

The Mathematical Seminary meets weekly.

Undergraduates are annually instructed in Elementary Analytic Geometry, Theory of Equations, Elements of Projective Geometry, Differential and Integral Calculus, Differential Equations, Solid Analytic Geometry.

A large number of mathematical journals are regularly received, besides the publications of learned societies abroad and at home. Among the journals received are the following (the asterisk indicating full sets) :

Journal für die reine und angewandte Mathematik* (Crelle) ; Journal de Mathématiques pures et appliquées* (Liouville) ; Comptes Rendus ; Mathematische Annalen* ; Monatshefte für Mathematik und Physik* ; L'Intermédiare des Mathématiciens* ; Bulletin des Sciences mathématiques* ; Journal de l'École Polytechnique ; Annales de l'École Normale ; American Journal of Mathematics* ; Annali di Matematica* ; Giornale di Matematica* ; Acta Mathematica* ; Archiv für Mathematik und Physik* (Grunert) ; Zeitschrift für Mathematik und Physik* ; Proceedings of the London Mathematical Society* ; Bulletin of the American Mathematical Society* ; Transactions of the American Mathematical Society* ; Bulletin de la Société mathématique de France* ; Rendiconti del Circolo Matematico di Palermo* ; Quarterly Journal of Mathematics* ; Messenger of Mathematics ; Annals of Mathematics.*

The university has a collection of about two hundred and thirty geometrical models, illustrating the forms of mathematical solids, surfaces, and curves, their singularities and varieties, and the methods of descriptive geometry by which they are represented on a plane.

The American Journal of Mathematics, founded by Professor Sylvester, and edited successively by Professor Craig, Professor Newcomb, and Professor Morley, has completed its twenty-sixth volume. Beginning with volume X, there has been published in each volume the portrait of an eminent mathematician. Those so far published, in the order of publication, are as follows : Sylvester, Hermite, Poincaré, Cayley, Klein, Halphen, Lie, Picard, Appell, Fuchs, Darboux, Newcomb, Mittag-Leffler, Salmon, Peirce, Cremona, Noether, Hill.

Physics

The instruction in Physics is under the charge of Professor Ames, Director of the laboratory, with the aid of Professor Wood, Collegiate Professor Bliss, Associate Professor Whitehead, and several assistants.

The laboratory is a substantial brick building 117 feet long by 71 feet wide, with five stories besides a basement and a sub-basement, and is so situated as to receive light from all sides. Power and heat are furnished from separate buildings.

The physical apparatus includes an equipment for lectures and demonstrations and a valuable collection of instruments for both elementary work and research. Many of these have been made from special designs, others are standard instruments which have been purchased from European and American makers; all of them have been most carefully selected. Special facilities, in some cases almost unique, are afforded those wishing to carry on investigations in electricity and in light.

The physical and mathematical libraries of the university are now placed in McCoy Hall, where they are easily accessible at any time. The physical section contains complete sets of almost all the physical journals published in this country and abroad, and all the standard books of the present and the past. About sixty periodicals, English, French, German, and Italian, are received. Certain magazines and books of reference are retained in the Seminary room of the laboratory, where the advanced students can consult them at any moment. This small collection is specially selected each year with reference to the courses of advanced instruction offered that year. Among the magazines kept on file in the laboratory are the following:

Philosophical Magazine, Physical Review, The Astrophysical Journal, Annalen der Physik and Beiblätter, Physikalische Zeitschrift, Journal de Physique, Comptes Rendus, Proceedings and Transactions of the Royal Society of London, the Proceedings of the London Physical Society, L'Éclairage Électrique, and the Electrician (London.)

Through the generosity of a former student, a special collection

of spectrum-maps and of books and pamphlets dealing with spectroscopy is now being made, and will be kept in the laboratory for the use of students.

Instruction and facilities for work in the laboratory are offered all classes of students, elementary and advanced. The following is a general view of the courses:

First Year (Minor) Course.—This is intended for students who are beginning Physics, or who have not a sufficient knowledge of the principles of the subject to warrant their undertaking more advanced work. To enter this course a student must be able to use logarithms and must have studied plane trigonometry, at least as far as through the solution of right-angled triangles. The lectures are accompanied by demonstrations; and mechanics, sound, heat, electricity and magnetism, and light are taken up in succession. Recitations on the subjects treated in the lectures are held regularly, and the course continues, four hours weekly, through the year. Along with the lectures the student does regular work in the laboratory, two afternoons a week, performing simple quantitative experiments, which illustrate the facts and principles considered in the class-room. Written records of lectures and reports of laboratory exercises are required.

Second Year (Major) Course.—This is designed to meet the needs of students who have already taken either the first year's course, or its equivalent, and who wish to pursue further their physical studies. A working knowledge of analytic geometry and calculus is required for admission to this course. The lectures take up both the descriptive and the mathematical side of the subject. Recitations are held regularly, and the course continues, four hours weekly, through the year. The laboratory work of this year occupies two afternoons a week, and includes problems that present greater difficulties, experimental or theoretical, than those of the first year. The student is allowed the choice of work in mechanics and electricity, or in heat and light. Written records and reports are also required in this course.

Advanced Work.—For the instruction of those students who

have the necessary preparation, certain lectures are given in Mathematical Physics. There is one course, continuing through three years, which includes Mechanics, Hydrodynamics, Sound, Thermodynamics, Heat Conduction, Physical Optics, Electricity and Magnetism. A second course of lectures is given, in which different subjects are treated in different years. During the year 1904–05, the topics were Electricity and Magnetism.

These lectures develop the mathematical theory of the subjects; and to follow them the student should have a satisfactory knowledge of differential equations and analytic geometry of three dimensions. Authors like Lord Kelvin, Lord Rayleigh, Maxwell, von Helmholtz, and Poincaré are referred to continually, and the ability to read French and German is absolutely necessary.

There is also a course of instruction, both theoretical and practical, in Applied Electricity. This course is intended for graduate students only.

The advanced students meet with the instructors once a week for the discussion of the current physical journals. Carefully prepared reports on various articles are here presented.

The Physical Seminary, to which only the most advanced students are admitted, meets once each week. The work of the Seminary consists of two distinct exercises: one is the reading of some physical treatise and a consideration of the problems suggested by it; the other is the presentation of critical papers upon various assigned topics in connection with the courses of lectures.

An effort is made to render the laboratory as useful as possible to advanced students and investigators. Those who are prepared for such work, will have the facilities which it affords placed most freely at their disposal, and will receive all possible assistance.

Chemistry

The instruction in Chemistry is under the charge of President Remsen, Director of the laboratory, and Professor Morse, Adjunct Director, with the coöperation of Professors Renouf and Jones, Dr. Gilpin, Associate, and Dr. Tingle, Assistant.

The higher or graduate work is based upon that given in the two years' undergraduate course, and those graduates of other colleges who have not followed courses equivalent to this, begin with that part of the undergraduate work which appears best suited to their needs. The following outline of the work will give some idea of its character.

Undergraduate Courses

Professor Renouf and Dr. Gilpin.

First Year.—I. Three lectures a week by Professor Renouf. The ground covered is approximately that laid down in Remsen's "Introduction to the Study of Chemistry." Toward the close of the year about twenty lectures on organic chemistry are given.

II. One review each week, conducted by Professor Renouf and assistant.

III. Laboratory work from five to six hours weekly, under the guidance of Dr. Gilpin and assistants. The work consists of the experiments described in the text book, simple qualitative analysis, and in the making of certain chemical preparations.

Second year.—I. From October 1 to December 25, four lectures or reviews weekly by Dr. Gilpin upon topics in inorganic chemistry.

II. From January 1 to the end of the year, four lectures or reviews each week by Dr. Gilpin on organic chemistry.

III. Laboratory work from five to six hours weekly under the guidance of Professor Renouf. From October 1 to December 25, the students devote themselves to systematic qualitative analysis, while the remainder of the year is given up to the preparation of such organic compounds as will facilitate their progress in course II.

Graduate Courses

Professor Remsen, Professor Morse, Professor Renouf, Professor Jones, and Dr. Tingle.

I. Weekly journal meetings, conducted by Professor Remsen.

II. Three lectures weekly throughout the year on organic chemistry, by Professor Remsen.

III. Twice weekly and extending over two years, a course of lectures, by Professor Morse, on (*a*) sources of error in quantitative measurements and their correction (about twenty lectures); (*b*) early historical chemistry (about twenty-four lectures); (*c*) inorganic chemistry (about eighty lectures).

IV. Three lectures a week throughout the year on physical chemistry, by Professor Jones.

V. Laboratory work: (*a*). Qualitative analysis and inorganic preparations under the direction of Professor Renouf. (*b*). Quantitative chemistry under the direction of Professor Morse. About one year is allotted to this work, and the course is so planned as to give the student familiarity with the greatest practicable variety of quantitative operations. (*c*). A course of physical-chemical measurements lasting about two months, under the direction of Professor Jones. (*d*). A course in the preparation of organic compounds, under the supervision of Professor Remsen and Dr. Tingle. The work in this direction usually occupies about three months, and has for its object a study of the more important reactions of organic chemistry. (*e*). The original investigation of problems assigned by members of the teaching staff, the results of which—if they are found to have a substantial value for the science—may be used in the preparation of the dissertation for the doctor's degree.

As regards the time required by a graduate student to complete the work for the degree of Doctor of Philosophy, it can only be said that one who has the necessary qualifications can generally do it in three years, after following such a course as that given to the undergraduates of this university who take the two years' course in chemistry. Those who have not had this preparation will generally require a longer time. There are no stereotyped

courses leading to the higher degree, and it is impossible to say exactly what must be accomplished to attain it. What is desired is a certain maturity of mind with reference to the science of chemistry, and an ability to deal with chemical problems intelligently. This condition of mind is reached, if reached at all, by long-continued laboratory training accompanied by careful study of chemical journals and treatises. It may be said finally that the arrangements of the laboratory are made mainly with reference to those who wish to take up the study of chemistry in a broad way, and that those who want short courses in special branches of chemistry are not advised to come here. It is believed that whatever object the student may have in view, whether he intends to teach or to follow some branch of applied chemistry, the best preparation he can have is a thorough training in the pure science.

The American Chemical Journal, edited by Professor Remsen, is now in its thirty-third volume.

Geology

The instruction in Geology is under the direction of Professor Clark, assisted by Professors Reid and Mathews, Dr. Shattuck, Dr. Fassig, and Dr. Swartz.

The courses are offered to both graduate and undergraduate students and consist of lectures, laboratory and field work, and conferences upon topics of current literature.

Lecture Courses.—I. Geology. Minor Course.—The first part of this course includes a brief presentation of the crystallography and the physical properties of minerals, followed by a discussion of the more important economic and rock-forming mineral species.

The latter half of this course is designed to be introductory to the more advanced courses in geology in the University.

Frequent excursions will be made to neighboring points of interest, where the principles of the science will be illustrated in the field.

II. Geology. Major Course.—This course is the continuation of course I. It comprises a brief introductory study of the principles of paleontology, a general discussion of the subject of historical geology, and a brief consideration of the formation of ores and certain problems of geological philosophy.

III. Paleontology.—Attention is given both to the biological and to the geological relations of the important types of the animal and plant kingdoms, the phylogenetic history of the leading groups being traced in detail wherever possible.

IV. Historical Geology.—In this course the classification and distribution of the sedimentary rocks are fully considered. The value of fossils in the determination of horizons is explained, and a detailed study made of the geological literature of the different countries of the globe.

[Courses III and IV may be given in alternate years, if thought desirable.]

V. Economic Geology.—This course deals with the various theories regarding the genesis of ores and other economic products, and a description of the most important mining districts.

VI. Geological Physics.—In this course the methods of determining the size and shape of the earth; the cause of its present shape; the distribution of internal temperature; the magnetic conditions; the bearing of geological, physical, and astronomical phenomena on the question of the rigidity of the earth; the theory of isostasy; the age of the earth; the tides; the cause of the ice-age, etc., are discussed; also, geological phenomena, which depend directly upon physical principles, such as volcanoes, earthquakes, geysers, the flow of rivers and of glaciers, the production of folds, faults, etc., will be treated.

VII. Exploratory and Geological Surveying.—The simple methods of determining geographical position; the methods of rapid route-surveying; the use of the plane-table, the camera, etc., are considered, with especial reference to travelers and explorers. The principles of map projection will be explained.

VIII. Geological Field Methods.—This course consists in an application of the principles by actual work in the field. Definite problems involving the mapping of areal distribution, construction

of vertical and columnar sections, interpretation of structure and geological history are assigned each student, under the immediate supervision of the instructor.

IX. Advanced Mineralogy.—The lectures include a full discussion of optical and microscopical mineralogy, especial attention being given to the behavior of minerals as constituents of rock masses; problems of isomorphism, crystal growth, etc.

X. Petrography.—This course includes a discussion of methods and a description of the structures and physical properties of rocks. The second portion of the course will be devoted to the special petrography of the igneous rocks, including a study of their various classifications, and a discussion of their origin, distribution, and literature.

[Courses IX and X may be given in alternate years, if thought desirable.]

XI. Physiographic Geology.—This course deals primarily with the description of topographic forms, and includes a discussion of their origin and classification.

XII. Meteorology.—In this course the topics chiefly considered are: Heat and its distribution over the earth's surface; rainfall and evaporation—their distribution and effects; winds and storms; weather sequences as illustrated by the daily weather charts of the U. S. Weather Bureau; extent to which topography influences the distribution of the climatic elements; variability of climates; organization and methods in statistical meteorology.

Laboratory Work.—Laboratory courses are arranged to accompany the lectures, while advanced or special students will be given the opportunity to carry on more extended investigations upon either described or new materials.

Conferences and Student Lectures—In order that the advanced students may be kept in touch with the most recent investigations in the science, weekly conferences are held at which the leading journals in geology are reviewed by the students under the direction of the instructors.

In order that the advanced students may also have the experi-

ence necessary for the successful preparation and delivery of class-room lectures, a course upon some phase of geology is arranged, a special topic being assigned to each student.

Field Work—The area of the State of Maryland includes, notwithstanding its comparatively small size, a remarkable sequence of geological formations. The ancient rocks of the earth's crust, as well as those still in the process of deposition, are found, while between these wide limits there is hardly a geological epoch which is not represented. As a result most excellent facilities are afforded for a study of the various geological horizons. Excursions to points of interest during the autumn and spring months.

Geological Laboratory and Library—The geological laboratory is situated in Hopkins Hall, and comprises over thirty rooms, large and small. Here are placed the library, apparatus, and collections which are accessible to the student daily from 9 a. m. to 5 p. m.

In accordance with the custom of the university, those books relating to the work of the geological department are given into its charge, the books of general reference being retained in the university library. The geological library contains most of the journals and works of reference upon geological subjects. It consists of over 6,000 bound volumes and over 10,000 unbound volumes and pamphlets and it now receives more than 200 current serials.

In addition to the libraries of the University, the Peabody Library, rich in geological works, is available for the use of students, while books not obtainable in Baltimore may be consulted in the libraries of Washington.

Apparatus and Collections.—The collections of the department consist primarily of a large amount of important material brought together from Maryland and adjacent States. It represents all the horizons of the State, being especially rich in crystalline rocks, and in Cretaceous and Tertiary fossils. Some of this material has been already described, while much awaits further study. Among the most important of the special collections are

the Williams, Lewis, Krantz, Hill, Stürtz, Lehmann, and Allen collections.

State Scientific Bureaus Connected with the Department.—Two scientific bureaus, established by the Legislature and maintained at the expense of the State, are carried on in connection with the geological department. They are the Maryland Geological and Economic Survey and the Maryland State Weather Service. Professor Clark is the Director of both these organizations, which are concerned with a study of the geology and physical features of the State of Maryland. The work is carried on under his direction mainly by the instructors and students of the department.

Advantages Afforded by Proximity to Washington—Washington is less than an hour distant from Baltimore. This renders it possible to take frequent advantage of the facilities afforded by that city, where the officers of the various scientific bureaus and societies give the students of the university every opportunity to examine the rich collections and libraries under their control.

Zoology and Botany

The work in Zoology and Botany is directed by Dr. W. K. Brooks, Professor of Zoology, assisted by Dr. E. A. Andrews, Associate Professor of Biology, Dr. D. S. Johnson, Associate Professor of Botany, Dr. Caswell Grave, Associate in Zoology, and other assistants.

Advanced Zoology: Professor Brooks and Associate Professor Andrews.

This course is designed for students who wish to devote themselves to zoology, and for those who select zoology as the chief subject for the degree of Doctor of Philosophy. The work is as follows:

(1). Laboratory work throughout the year. The student is required to verify the results of certain zoological memoirs, which

are selected in order to illustrate the application of technical methods, as well as scientific principles, and, also, to study the collateral literature. After he has completed this work, the student is allowed more freedom in the selection of subjects.

(2). In 1904–05, two lectures a week by Professor Brooks on Theoretical Zoology, from October 1 to May 1.

(3). Zoological Seminary, twice a week in January, 1905. The work of the Seminary for this year is based upon the *Entwickelungsgeschichte* of Korschelt and Heider.

(4). Zoological and Botanical Journal Club, weekly throughout the year: Professor Brooks, Associate Professors Andrews and Johnson. All graduate students, assistants, and instructors are expected to take part in the meetings of the journal club, and to report upon the current literature of assigned topics.

General Zoology, Comparative Anatomy, and Botany: Dr. Grave and Dr. Johnson.

The work is as follows:

(1). Two afternoons of work in the laboratory, throughout the year, in systematic zoology and comparative anatomy and embryology, and in botany. The student makes careful dissections and drawings of typical forms from most of the principal groups of vertebrated animals, and studies the systematic zoology of the genera and species of one group, either fishes or insects being selected for systematic study. The work in botany comprises the study of the gross anatomy and histology and the systematic botany of selected flowering plants.

(2). Four lectures a week, from the beginning of the year to March 15, on elementary zoology, by Dr. Grave.

(3). Four lectures a week, from March 15 to the end of the year, on elementary botany, by Associate Professor Johnson.

Courses 1, 2, and 3, with laboratory work, five hours a week through the year, constitute a "major course," and may be offered as a subordinate subject for the degree of Doctor of Philosophy.

Introductory Course in Biology: Associate Professor Andrews and Dr. Cowles.

This course, consisting of four lectures and five hours of laboratory work weekly throughout the year, is designed as part of the general education of every college student, and is open to all candidates for the A. B. degree, as well as to special students. It is regarded as essential to all students intending to take up the study of medicine, and it (or an equivalent) is required for admission to the medical department. This course may be taken without previous courses in physics and chemistry, but preparatory training of this character is strongly recommended. It is chiefly a laboratory course of two afternoons a week throughout the year, supplemented by four hours a week of lectures, recitations, and exercises designed to emphasize the more essential truths of biology. In the laboratory, each student studies with the microscope, or dissects, selected plants and animals, from the simpler, such as amoeba and yeast, to the complex, such as the fern, the frog, the flowering-plant, and the rat, and the embryology of the fowl. This course may be offered as a subordinate subject for the degree of Doctor of Philosophy.

Elective Course in Zoology, by Dr. Grave. Two hours a week throughout the year.

This course consists of the study of selected types of representative groups of the animal kingdom.

Advanced Botany : Associate Professor Johnson.

(1). Morphology of Plants. Two lectures and two laboratory exercises a week, throughout the year.

(2). Physiology and Histology of plants. Two lectures and two afternoons in the laboratory from October 1 to January 1.

(3). Botanical Seminary, twice weekly through the winter term. Schimper's "Plant Geography" and Sachs' History of Botany formed the basis for the seminary work during 1904–05.

(4). Field trips weekly in fall and spring.

Courses 1, 2, and 3 may be offered as a subordinate subject for the degree of Doctor of Philosophy.

Students of Botany have access to the extensive herbarium and valuable library of Captain J. Donnell Smith, the Schimper herbarium, the Fitzgerald collection of mosses, the local collections

of the Naturalists' Field Club, and the collection of Cryptogams of the late Dr. Humphrey, through the courtesy of the Woman's College of Baltimore.

The studies which are carried on in the biological laboratory, are supplemented by work at suitable points upon the sea-shore.

One of the ordinary fellowships in the university is usually awarded each year to a graduate student in zoology, and, in the selection of the Adam T. Bruce Fellow, preference is given to those who have held ordinary fellowships in zoology.

One of the graduate students of zoology may be appointed each year to occupy, during the summer months, the university table at the laboratory of the United States Fish Commission at Wood's Holl.

Whenever researches, or parts of researches, which have been carried on in the laboratory, are completed and ready for publication, the University Circular provides for the prompt publication of abstracts of the results.

Students looking forward to the degree of Doctor of Philosophy may offer zoology or botany as a principal or as a subordinate subject, but if they have not already pursued studies equivalent to the undergraduate courses in this laboratory, they will be required to take these courses.

Physiology

The work in Physiology is directed by Professor W. H. Howell, assisted by Dr. P. M. Dawson and Dr. J. Erlanger, Associate Professors of Physiology, and Mr. A. E. Guenther, Assistant in Physiology. The laboratory is contained in one of the medical department buildings adjoining the hospital, and is well equipped with facilities for demonstrations and special investigations. A course of lectures covering the general and special physiology of the animal body is given each year and is illustrated by a large number of class demonstrations. In connection with

this series of lectures, a laboratory course in experimental physiology is offered, extending over a period of twelve weeks and giving the student an introduction to the methods of laboratory technique. A duplicate course, consisting of lectures and laboratory work, has been arranged especially to suit the convenience of graduate students in the philosophical department. This course is given in the afternoons from January to June. The general courses of lectures are supplemented by advanced lectures given from time to time upon selected topics; by the work of the physiological seminary, which meets at stated intervals for the special study of certain parts of physiology; and by a weekly journal club intended for the presentation and discussion of the material contained in the current periodicals. The details of these courses are given in the programme published each year in the University Circular.

In addition to the physiological literature contained in the library belonging to the laboratory, publications upon physiology and the related scientific branches of medicine may be obtained conveniently from the libraries of the Medical Department, the Medical and Chirurgical Faculty of Maryland, and the Surgeon General's Office in Washington.

Students looking forward to the degree of Doctor of Philosophy may offer Animal Physiology as a principal or as a subordinate subject. Those who take physiology as a principal subject must present evidence of previous training in physics equivalent to the minor undergraduate course in this University, in chemistry equivalent to the minor and major undergraduate courses, and in biology equivalent to the minor and major undergraduate courses. No preliminary requirements are made for those offering Physiology as a subordinate subject.

The laboratory is open also to special students, graduates in medicine and others, who may wish to undertake laboratory investigations, or who desire to become accquainted with the use of physiological apparatus and the methods of demonstration and research.

Anatomy

The work of this department is in charge of Dr. Franklin P. Mall, Professor of Anatomy, with the coöperation of Dr. Ross G. Harrison and Dr. Warren H. Lewis, Associate Professors of Anatomy, Dr. Florence R. Sabin, Associate, Dr. Henry McE. Knower and Dr. George L. Streeter, Instructors, and Dr. Robert B. Bean, Assistant.

Courses of instruction are provided in the various anatomical sciences — systematic human anatomy, histology, microscopic anatomy, and embryology, — and opportunities are afforded for advanced work and original investigation in these sciences.

The systematic courses of instruction are given in two groups of paralled courses, from October 1 to March 15. The first of these groups includes histology, microscopic anatomy, and neurology ; the second embraces the subject of gross systematic human anatomy. These courses are designed primarily for the medical students of the university, but are open to other students who are properly qualified. A more detailed description of them will be found in the announcement of the medical department.

The Anatomical Laboratory is a large building, three stories high, having been constructed especially for the teaching of anatomy and for investigation in this subject. The modern machines and apparatus likely to be needed have been provided. Rooms and apparatus for animal experimentation, mechanism of convenience for drawing and reconstruction, projection apparatus, photomicrographic outfit, and apparatus for work at low temperatures are at hand. Facilities are afforded for the artistic illustration and publication of the results of researches leading to discoveries of importance. Every encouragement is given to suitably-trained individuals who desire to undertake original investigation, either under direction or independently.

Pathology

The Pathological Laboratory is a building of four stories on the grounds of the Johns Hopkins Hospital, with which it is connected. The autopsy theatre is in this building, which includes also rooms for pathological histology, bacteriology, experimental pathology, and private work. The museum contains a useful collection of morbid specimens.

The libraries of the Johns Hopkins Hospital and the medical department close to the laboratory contain a large number of books of reference and receive regularly the chief medical and pathological journals.

Facilities are offered for elementary and advanced study in general and special pathological anatomy, general pathology, and bacteriology. The instruction in Pathology and Bacteriology is given by Professors Welch and MacCallum and Drs. Ford, Bunting, and Francis.

The instruction in pathology and bacteriology for matriculates in the medical department continues throughout the second year of the regular medical course. It includes general pathology, gross morbid anatomy, pathological histology, the technique of post-mortem examinations, and practical bacteriology. The course in bacteriology extends from the first of October to the Christmas vacation, and that in pathology throughout the rest of the academic year. The laboratory work occupies three half-days a week.

A limited number of properly trained physicians are admitted to the undergraduate courses in bacteriology and pathological histology, and, in addition, to advanced and special courses conducted by Professor MacCallum, Dr. Ford, and assistants.

In connection with the pathological course, demonstrations of fresh specimens are made and opportunity is afforded to become familiar with the method of making post-mortem examinations. After the study of inflammation, the pathological histology of the different tissues and organs of the body is taken up in regular order. Microscopical sections are given to be stained, mounted, and carefully studied and drawn. The student is encouraged to do as much independent work as his time will permit.

The instruction in bacteriology is given by Professor Welch, Dr. Ford, and assistants. In addition to the course for matriculates in the medical department, a course in this subject is given to physicians in May and June. Students are taught the preparation of culture media, the principles of disinfection and sterilization, methods of cultivating, staining, and studying bacteria, particularly those of a pathogenic nature, and the biological examination of air, water, and soil. This department is fully supplied with the requisite apparatus and cultures for bacteriological work.

In addition to the regular courses for medical students and physicians, opportunity is afforded for advanced work and special research in pathology and bacteriology. For these purposes the pathological laboratory is well equipped with the necessary apparatus and material. Special subjects for research will be assigned to those who wish and are prepared to undertake original investigation.

The pathological laboratory being upon the same grounds with the Johns Hopkins Hospital and Dispensary, the opportunities are convenient and readily accessible for combining clinical studies with the work in pathology.

Three associations, the Hospital Medical Society, the Historical Club, and the Journal Club, meet in the assembly room of the hospital, on each Monday evening, and 'The Laennec,' a society devoted to the study of tuberculosis, holds monthly meetings. The libraries of the university and the hospital are supplied with a large collection of medical books and periodicals, which are accessible to the students.

The Johns Hopkins Hospital Bulletin, issued monthly, and the Johns Hopkins Hospital Reports contain the proceedings of the hospital societies, articles by the medical staff, and the results of researches conducted in the hospital and the medical laboratories.

Fuller details concerning the courses in pathology, bacteriology, and other medical subjects will be found in the Annual Catalogue and Announcement of the Medical Department, which will be sent upon application to the Registrar.

Greek.

The graduate instruction in Greek is directed by Professor Gildersleeve, in connection with the Greek Seminary, which consists of the Director, Fellows, and Scholars, and such advanced students as have satisfied the Director of their fitness for an active participation in the work. All graduate students, however, may have the privilege of attending the Seminary exercises.

Each regular member is required to take his turn in the work of the Seminary, and special fields of research are assigned according to progress or bent.

The cycle which has been followed for a number of years is made up of the Attic Orators, Plato, Aristophanes, and the Greek Historians. For example :

1900–1901.	Attic Orators.	1902–1903.	Aristophanes.
1901–1902.	Plato.	1903–1904.	Greek Historiography.

The methods followed have been described in successive annual reports, which may readily be consulted.

The work in the Seminary during the present year was concentrated on the Attic Orators ; for the next year the centre of work will be transferred to Plato.

In addition to the work of the Seminary (two meetings a week), courses of lectures are given by the Director, by Associate Professor Miller, and by other qualified persons.

Undergraduate students who select the classical group of studies, are required to follow the class-work in Greek, four hours weekly through two years. The texts vary from year to year, including selections from poets, historians, and orators. Exercises in Greek composition and in reading at sight are likewise required. To extend the acquaintance of the student with Greek literature, he is obliged to read by himself certain prescribed authors, and to pass an examination upon them. An elective course of two hours a week is also provided. The instruction of the undergraduates in Greek is conducted chiefly by Associate Professor Spieker.

The American Journal of Philology, edited by Professor Gildersleeve, has completed its twenty-fifth volume.

Latin.

Instruction in Latin is given on a plan similar to that already mentioned as followed in the courses in Greek. The advanced work proceeds through the organization of a Seminary, of which Professor Smith is the Director. The instruction has two distinct ends in view. It aims, first, to give students a wider and more accurate knowledge of the Latin language and literature than can be secured in the ordinary college course, so that they may become more efficient teachers ; and secondly, to train them in the methods of scientific research, so that they may become independent investigators. The most important instrument of training is the Latin Seminary, which meets twice a week. Each year some author or group of authors in a given department of literature is made the centre of work. Critical methods are taught, interpretations are prepared by members of the Seminary in turn, and papers are read by them containing the results of various special investigations suggested by the taste and proficiency of each. The subjects treated during the last four years are as follows :

1901–1902. The Roman Epic, especially Vergil.
1902–1903. The Roman Drama, especially Plautus and Terence.
1903–1904. The Roman Satire, especially Horace and Juvenal.
1904–1905. The Roman Historians, especially Livy and Tacitus.

Courses of lectures are also regularly given by the Director of the Seminary and from time to time by other qualified persons. For example, in 1904–05, Professor Smith lectured on Roman Historiography once a week during the first half-year. Throughout the year he lectured each week on Roman Rhetoric, using as a basis the *Incertus Auctor ad Herennium*. He also conducted a Journal Club, which met fortnightly to report and discuss recent publications and topics of interest in the field of Latin. Associate Professor Wilson lectured once a week throughout the year on Latin Epigraphy. His lectures were accompanied by a series of practical exercises in the interpretation of selected inscriptions. He also met the advanced students once a week

throughout the year for rapid reading in the Roman historians. Dr. L. C. Barret met a class, once a week during the second half-year, for the study of the Italic dialects.

The undergraduate work varies somewhat according to the group of studies elected. The authors read differ year by year, but are so chosen that the student may become acquainted with the different departments of the literature. His work in the classroom must be supplemented by a prescribed course of reading which he follows privately, and on which he undergoes examination. Latin composition and sight reading form a part of the course. An elective course of two hours a week and a course in Roman literature, one hour a week throughout one year, are also provided. Associate Professor Wilson and Dr. Barret assist in this work.

Sanskrit and Comparative Philology.

Courses of instruction, directed by Professor Bloomfield, with the assistance of the Fellow or Scholar in Sanskrit, are provided in the Indo-Iranian languages (Vedic and Classical Sanskrit, Pāli and Prākrit, Avestan or Zend, and Old Persian), in comparative grammar of the Indo-European languages, in historical ethnology of the Indo-European peoples, and in general linguistic science. During the sessions of 1897–99 and 1901–05 courses in the Lithuanian language and literature were given: instruction in one or another of the ancient languages of the Balto-Slavic (Lithu-Slavic) family may be hereafter expected as a regular feature of the work of the department.

These instructions aim to meet the wants of those who wish to devote themselves to the study of these branches exclusively and for their own sake, *i. e.*, those who wish to become specialists in Sanskrit Philology or Comparative Philology; and also the wants of students of languages in general, who wish to obtain a broader linguistic basis for special studies in other departments of philology.

The advanced work aims especially to meet the wants of those who wish to make Indian philology or comparative philology their special study. Instruction is given by practical exercises, lectures, seminary work, and, where possible, the use of native Sanskrit manuscripts. The seminary is furnished with a carefully selected library (including some manuscripts) ; this has been increased recently by the Stratton Memorial Library, a valuable collection presented by the wife of the late Alfred William Stratton (Ph. D., 1895). Approximately complete sets of the Oriental journals, as well as the journals in comparative philology, are freely accessible in the main library.

A prolonged course in Sanskrit, involving two lectures a week during two years and attendance in the Vedic Seminary for a half-year (one hour a week), is planned so as to furnish a good knowledge of Classical Sanskrit, and to include an introduction into the dialect of the Vedas. This amount of work represents material sufficient for the first subsidiary subject for the degree of Doctor of Philosophy. A course in the same study for one and a half years, involving two hours a week, is the amount required for a second subsidiary subject leading to the same degree.

A synopsis of the courses offered during past years may be presented under six heads :

I. Courses in the general principles of comparative philology, or linguistic science, and on special chapters thereof ; lectures on ethnology.

II. Courses in the general comparative grammar of the Indo-European languages ; comparative grammar of Sanskrit and Avestan ; comparative study of Greek accent ; comparative study of Greek, Latin, Sanskrit, and Teutonic, including vocalism, consonantism, noun-formation and inflections.

III. The Vedic, Sanskrit, and Prākrit dialects ; Rig-Veda ; Atharva-Veda ; literature of the Brāhmanas and Upaniṣads. The law books of Manu and Yājñavalkya ; the Drama Çakuntalā and introduction into Prākrit ; Hitopadeça, Kathāsaritsāgara, and Nala. Sanskrit grammar and prose composition.

IV. The Pāli language and Buddhist literature.

V. The Avestan language and the sacred books of the Avesta.

VI. The Lithuanian language and literature.

Oriental Seminary

In the Oriental Seminary, of which Professor Haupt is director, both introductory and advanced instruction is provided in Oriental history and archæology, as well as in the principal Semitic languages, viz., Hebrew (both Biblical and post-Biblical), Biblical Aramaic, Syriac, Arabic (both classical and modern), Ethiopic, Assyrian, etc. ; also in Sumerian, Egyptian, Coptic, Malay, Tagalog, Bisayan, Ilokan, etc., and in American Ethnology. In the organization adopted in 1883, a course of three years was arranged. The centre of the work is the Old Testament, special attention being given to the critical study of Biblical texts and the cuneiform inscriptions bearing on the Scriptures. Professor Haupt is assisted by Associate Professor Johnston and other competent instructors.

The various courses are adapted to the requirements of four classes of students, namely : (*a*) students of theology wishing to obtain a thorough acquaintance with the sacred tongue and its sister idioms as a means of elucidating Scripture and problems of the comparative history of religion ; (*b*) students of linguistics intending to make comparative grammar of the Semitic languages their specialty ; (*c*) students of Oriental history and archæology desirous of drawing directly from the original sources ; (*d*) persons looking for instruction in the living Oriental languages (as modern Arabic, Turkish, Persian, Amharic, Malay, Tagalog, etc.), for practical purposes ; (*e*) students of American ethnology.

In these various courses, the Seminary method is followed throughout, the student being from the first brought face to face with the several idioms without long theoretical introductions. Stress is laid on a thorough grammatical training, imparted in connection with the minute philological analysis of some selected text in the respective languages, or by written exercises in translating from English into Hebrew, Arabic, Syriac, and Ethiopic, or from Hebrew and Arabic into Assyrian, and from Assyrian into Sumerian, etc., printed grammars serving only for occasional reference. There are also exercises in Hebrew and Arabic conversation.

A room has been set apart containing a well-equipped working library for all the branches of Oriental research (including the library of the late Professor A. Dillmann, of Berlin, the Leopold Strouse Semitic Library, a special collection of works on the dialects of the Philippine Islands, etc.), and some advanced students are usually present to help in the preparation for the recitations conducted by the Director of the Seminary, and to furnish any other aid that may be desired. Near the Dillmann Library, on the same floor, are some archæological and antiquarian collections, including the Cohen Collection of Egyptian Antiquities, the Sonneborn Collection of Jewish Ceremonial Objects, collections of Hebrew and other Oriental manuscripts, Babylonian seal-cylinders and clay tablets, etc.

English

The instruction in English is given by Dr. James W. Bright, Professor of English Philology, Dr. William Hand Browne, Professor of English Literature, and Dr. Herbert Eveleth Greene, Collegiate Professor of English. Graduate and collegiate courses are provided in conformity with the principles followed in the other language departments. Advanced students are instructed in the technical aspects of linguistic and literary science, and trained in the processes of original investigation.

Graduate Courses

The advanced courses in English are so arranged as to enable a student, in three or four consecutive years, to study with precision all the important departments of grammar and of literature. Instruction is imparted by lectures, by freer conferences, by the methods of the Seminary, and by class-room recitation. The Seminary (four hours a week) constitutes the chief organ of instruction and research. It supplies means for the inculcation of what is presented in the lectures, and for organized and prolonged concentration of effort on selected subjects. Usually the

work of the Seminary centres each half-year in a different period of the literature, ranging from Anglo-Saxon times to the present century. The literature of the period studied is investigated as to its sources, the history of its forms and traditions, and its artistic value; and linguistically the period is studied in its relation to the history of the language. The members of the Seminary also meet as a Journal Club (fortnightly), chiefly for reviewing the current philological (linguistic and literary) periodicals and recently published books and monographs. As supplementing the lectures and the Seminary, classes are organized for special training in textual criticism, for the reading of the poets, and for the discussion of the canons of literary criticism. Weekly conferences and informal lectures furnish an opportunity for the discussion of many topics not provided for in the regular courses of the year; these hours are in part occupied by lectures given by the students, that they may thus acquire experience in the more formal presentation of the results of special study.

College Courses

1. *Rhetoric and English Composition.* In this course, which is required of all undergraduates, the principles of good writing are inculcated. The use of text-books is supplemented by lectures and discussions, by weekly practice in the writing of short papers, a few of which are read and criticised in the class-room, and by the writing of longer papers, which are read and criticised privately with the writers. During the first half-year the study is directed to the elements of style—the word, the sentence, and the paragraph. The weekly practice in writing is combined with an examination of the usage of standard writers. During the second half-year the various forms of composition—description, narration, exposition, and argument—are studied and practiced; the work also includes a critical study of standard prose in its various forms.

2. *English Literature.* The course in rhetoric is followed by a prescribed course in English literature; and an additional course, which is elective, is provided for those who may wish to

continue the study. These courses are for undergraduate students in Groups I-VI,—those who are not making a special study of the subject, but who wish such acquaintance with it as may be regarded a necessary part of a liberal education. The aim of the instruction in these courses is to give the student an outline history of English Literature, to teach him to read intelligently and with insight, and to lead him to read widely in the works of the more important writers.

The Major and Minor Courses are followed by those undergraduates whose studies are directed more especially to modern languages and their literature (Group VII).

3. The English Minor Course consists of two parts, the one intended to give the student some grasp of English Literature as a whole, and the other to impart some fundamental knowledge of the language and its changes in the last eight hundred years, as a preparation for more advanced studies later. In both parts text-books are used, supplemented by oral teaching on the part of the instructor. In the first part, the object aimed at is not so much exact knowledge of any author or period, as a feeling of the continuity of the literature and knowledge of the principal causes that shaped and changed it. In the second part, Middle and Early English texts are read, but in an inverse chronological order, passing from the nearer to the more remote.

The Major Course in English—a third year's course—is divided between linguistic and literary studies :

4. *Anglo-Saxon.* An elementary course in Anglo-Saxon prose and verse occupies two hours a week for one year. The text-book used is Bright's *Anglo-Saxon Reader.*

5. In the literary part, one hour a week is given to the Early Scottish Poets from Barbour to Lindsay, whose work continues the great Northumbrian School of English literature down to the time of the Reformation in Scotland. The texts are studied in a Reader especially prepared for this class, and the necessary supplemental information, historical and other, is given by the instructor.

6. One hour a week is also given to the study of some impor-

tant period of literature or group of writers sufficiently characteristic to be regarded as a whole. For the first half-year the Elizabethan writers have usually been taken, including the reading by the class of one play of Shakespeare. For the second half some other period or group is selected.

It will be seen that the undergraduate work in the major and minor courses comprises: the earliest English, or Anglo-Saxon; the transitional literature from the Anglo-Saxon to Chaucer; the great period of Scottish literature between the times of Chaucer and Elizabeth; the great Elizabethans; and some important later period.

German

This group of studies is under the direction of Professor Wood, with the assistance of Associate Professor Vos, Dr. William Kurrelmeyer, and Mr. Julius Hofmann.

Instruction is provided in German of all periods and in the earlier development of the other members of the Teutonic family of languages.

In the German Seminary, in which the graduate instruction centres, nearly equal attention is devoted to German literature and German philology. To enter upon the work of the Seminary in literature, the student should possess a knowledge of German equivalent to that imparted in the undergraduate courses hereinafter mentioned, supplemented by private readings. For the seminary work in philology, it is desirable, in addition, that preliminary courses in Gothic and Middle High German should be first completed, and these may be taken with advantage by the student immediately upon entering. All graduate students of German are required to share in both the philological and literary work, and to direct their efforts to the attainment of broad results, which may serve as the foundation of scientific work and of successful teaching; but the Seminary and the allied graduate courses are believed to offer also sufficient opportunity and encouragement for the prosecution of chosen lines of work,

whether on the linguistic or the literary side, in accordance with individual capacity and bent. In this way, opportunity for independent research is afforded, within the framework of organized effort directed towards the attainment of results which concern the Seminary as a whole, and towards which each member is expected to contribute his share.

The subjects selected for the Seminary during recent years are as follows:

1898–99. Storm and Stress and Early Romanticism; Walther von der Vogelweide.
1899–1900. Goethe's Faust; The Middle High German Court Epic.
1900–1901. Goethe and Schiller (1786–1805); Parzival.
1901–1902. Goethe's Lyrical Poems; Nibelungenlied.
1902–1903. German Literature in the Eighteenth Century; Walther von der Vogelweide.
1903–1904. Goethe's Faust.
1904–1905. Goethe and Schiller (1786–1805); Minnesangs Frühling.

The Germanic Society, which meets fortnightly, supplements the work of the German Seminary; before it are presented not only reports on articles in current journals, but also successive results of studies by the members. The chief object of the Society is to foster and guide the aptitude for more sustained individual investigation than the collective work of the Seminary offers scope for. Lists of the more important papers presented are given in the yearly reports.

In addition to the work of the Seminary (three meetings a week), other advanced courses are given. For example, in 1904–05 Professor Wood gave courses in Gothic and Old Norse, and lectured on the German Romantic School. Dr. Vos conducted classes in Old High German and Middle High German language and literature. A course on English influence upon German Literature was given by Professor T. S. Baker, of the Jacob Tome Institute.

The undergraduate work in German begins with an elementary course, continued through the year, for candidates for matriculation who have entered with Greek. This is followed by the regular work in German during the first college year, a course

required of all undergraduates. Nearly equal portions of the German drama and of German literary prose are read. Private readings and weekly exercises in prose composition supplement the class readings.

Undergraduates in Group VII who elect German, or undergraduates in any of the seven groups who substitute German at this point in their course, pursue the study during a second year. The readings from the classical period are continued in texts of greater difficulty, and instruction is given in the history of German literature and in the writing of German prose.

A briefer course continuing through one year is provided for undergraduates who have matriculated in Greek, and have fully met *at entrance* the matriculation requirements. While no knowledge of German is assumed for this course, the student's previous training in language renders rapid progress in grammar possible. This study is followed during the rest of the year by prose readings, supplemented by elementary prose composition.

Elective courses (contemporary literature, German ballads, Goethe's *Dichtung und Wahrheit*) are offered to undergraduates who have completed the work in German of the first college year. An elective course in scientific readings is open to undergraduates who are preparing to enter the medical department.

Classes are also provided in conversational German and in historical and scientific reading for graduates who lack the ability to read the language at sight.

Romance Languages

Advanced instruction in the Romance Languages is so planned as to cover at least three years, and is directed by Dr. A. Marshall Elliott, Professor of Romance Languages, with the assistance of Associate Professors Marden, Armstrong, and Ogden, and others. The subjects of instruction are divided into three distinct sections: a purely linguistic, a purely literary, and a composite group which is intended to unite the first two. Every one who intends to take

a degree in Romance Languages, must work in these three lines, which are so arranged as to supplement one another according to the attainments and bent of the student, and which are concentrated, for given periods of the course, on the same linguistic domain. The first year is chiefly spent in preparation for seminary work, to which the student is generally admitted, as an active member, at the beginning of the second year. During this preliminary period a practical knowledge of the principal Romance languages is acquired (a thorough acquaintance with Latin and modern French being pre-supposed); a brief survey is given to the history of the science, together with an introduction to the use of scientific methods in language and literature. With this equipment the student is prepared to begin an appreciative scrutiny of special texts with their critical linguistic and literary apparatus. He is taught to handle his materials with discriminating judgment, and, according to his progress, subjects are assigned to him for investigation which tend to develop the patience and accuracy necessary to a careful investigator. In literature, as in language proper, particular attention is given to the origins, while constant reference is made, by way of comparison, to the modern forms. By extensive reading, required in connection with the subjects taken up, he is made familiar with the different phases of opinion held by leading European scholars, and is thus enabled to control certain parts of his subject within well-defined limits. After the first year the student is expected to concentrate upon some single line of work within his general field. It will be observed that the student's work in this course is comparative, and that he moves from the general to the particular. In the early part of it, the object is to give a broad basis to work on, by making him so familiar with the principal Romance idioms that he may use them readily, by way of illustration, in his subsequent studies. Dialect study and phonology are made important features of this plan of studies.

The subjects to which attention has been given in the Seminaries in past years are as follows:

1883–84. Anglo-Norman Dialect and the Oaths of Strasburg.
1884–85. Cantilene de Sainte Eulalie and Fragment de Valenciennes.

1885–86. The Franco-Norman Dialect, with the Vie de Saint Alexis.
1886–87. The Oaths of Strasburg and the Cantilene de Sainte Eulalie.
1887–88. Old French Paraphrase of the Canticum Canticorum and the Fragment de Valenciennes.
1888–89. The Oaths of Strasburg and the Cantilene de Sainte Eulalie.
1889–90. *Reimpredigt:* Grant mal fist Adam.
1890–91. L'Epopée royale: Pèlerinage de Charlemagne.
1891–03. Marie de France: Fables.
1902–03.
- The French Theatre in the Eighteenth Century.
- Spanish: *Libre de Apollonio.*
- Italian: The Earliest Monuments of Italian Literature.

1903–04.
- French:
  - a. Marie de France: *Fables.*
  - b. The French Theatre in Nineteenth Century.
- Spanish: *Libre de Apollonio.*
- Italian: The Earliest Monuments of Italian Literature.

1904–05.
- French:
  - a. Marie de France: *Fables.*
  - b. Genesis of the modern Lyric Capital in French Literature.
- Spanish: *Libre de Apollonio.*
- Italian: The Decameron of Boccaccio.

In addition to the work of the Seminaries, lectures are regularly given: (1) on French Phonetics, physiological and historical, (2) on French syntax, (3) on Romance morphology, (4) on French dialects, (5) on Dante, (6) on Old French palæography, (7) on the history of French Philology, (8) on the linguistic ethnography of France and Italy, (9) on the sources of Romance Philology, (10) on Popular Latin, (11) on Italian philology and literature, (12) on Spanish philology and literature, (13) on Old French literature, (14) on Modern French literature, (15) on Romance versification, (16) on Methodology of the Romance languages, (17) on classical French literature.

The special lectures on French, Italian, and Spanish literatures are arranged to run through the whole period of three years, and form the most essential part in the training of the student.

A special publication, Modern Language Notes (A. Marshall Elliott, editor in chief), now in its twentieth volume, is issued monthly by members of the English and Romance departments,

in which are presented the most recent aspects of linguistic and literary research in the modern idioms.

The undergraduate classes in French are conducted by the Associates of the department, under the direction of the head of the department. Students in Group VII who elect French, follow class work for four hours weekly through two years, during which time they read extensive selections from Modern French texts, and are made acquainted with the general laws of French phonology and morphology. All undergraduates must complete the work of the first of these two years. Private reading is required, varying from year to year according to the authors taken up in class. Courses in Italian and Spanish, similar in arrangement and requirements to those in French, are also provided for undergraduates.

History

Advanced instruction in history and methods of historical research is offered to graduates, or to special students of mature years, if qualified by ability and previous studies to pursue such courses. The work is planned to develop the spirit of original research, and this end is attained not alone by lectures, but also by individual advice and by the constant association and co-operation of students and instructors in special conferences. The best results of original inquiry are brought before the Historical and Political Science Association for discussion and are usually published in the "Johns Hopkins University Studies in Historical and Political Science." Avenues of publication have also been found hitherto in the leading historical and economic journals.

Graduate Courses

Associate Professor John Martin Vincent lectures to graduate students on the history of Europe and on the science of historical investigation. The courses direct attention to the social, eco-

nomic, and constitutional development of European peoples. The subjects follow in consecutive order, the topics for each year forming a complete and independent group. The whole series of courses requires three years for completion and offers opportunity for close study of selected portions of the Mediæval and Early Modern History of the Continent and England. The lectures on historical research discuss in detail the various materials of history and the methods by which these are tested and used. Dr. Vincent also conducts a weekly Historical Seminary for the study of selected historical problems. The work of the students is subjected to criticism in order to promote facility in research and develop historical judgment. The Historical and Political Science Association meets fortnightly and offers further facilities for the production of original work, and for the criticism of the current literature of history and political science.

Dr. Friedrich Keutgen, Associate Professor in the University of Jena, has been a resident lecturer during the year 1904-05. His courses relate to the early history of Germany, France, Italy, and England, with practical exercises in historical research in the same field. The period covered extends from the emergence of the Teutonic nations into the light of history to their formation into constitutional states. His courses include also the Diplomatics and Palæography of the Middle Ages, and are valuable to students of philology as well as history.

Dr. James Schouler, author of the History of the United States under the Constitution, gives in successive years short courses of lectures on American political and economic history.

Dr. Bernard C. Steiner, Associate in History, is one of the advisers of advanced students in their original investigations in American History.

Dr. J. C. Ballagh, Associate in History, acts as an adviser to graduate students, and lectures, in successive years, upon connected topics in (1) American colonial history, (2) American institutional history, (3) United States constitutional and political history. He also conducts (4) a conference for research in special subjects in American history, and (5) oral examinations in general history.

In Oriental History students have the advantages of the lectures offered by Professor Bloomfield, of the department of Sanskrit and Comparative Philology, and by Associate Professor Johnston, of the Oriental Seminary.

The Albert Shaw Lectures on Diplomatic History are given annually by investigators in selected fields of American and foreign relations. The lecturer for 1905–06 is Dr. Jesse S. Reeves, on the Diplomatic Relations of the United States during the administrations of Tyler and Polk.

Other lectures of interest to students of this department, either open to the public or designed for class instruction, may be expected from time to time from distinguished scholars outside of the university.

Undergraduate Courses

The undergraduate instruction aims to impart such a knowledge of the essential facts and principles of general history and politics as will contribute towards a liberal education and fit men to pursue advanced courses in special branches of these sciences, with a view to taking the doctor's degree or to entering the work of education, law, journalism, charity organization, or the civil service. This training process is pursued in class courses, where systematic and positive instruction is given by means of required text-books, lectures, essays, oral reports, and constant drill. The undergraduate work extends, in its various sections, over a period of three years (see College Courses, Sixth Group). A course in European Constitutional History, taken in connection with the outlines of Political Economy, is also required of every undergraduate student not in the Historical Group.

The courses are conducted by Dr. Vincent, Dr. Steiner, Dr. Ballagh, and assistants, on the following plan :

First Year : Ancient History—Greece and Rome.

Second Year : Mediæval and Modern History of Europe. History and civilization of India, China, and Japan.

Third Year : English and American Constitutional History. European Constitutional History.

Political Science

The graduate work in Political Science, conducted by Associate Professor Willoughby, has for its primary aim the preparation of advanced students for professional and original work in the fields of Constitutional Law, International Law and Diplomacy, and Political Philosophy, and seeks also to supply the necessary training for those desiring to enter the higher branches of the public service, as well as to furnish a broad and philosophical equipment to those who expect later to pursue the study and practice of the law.

The work is so arranged as to give three years of continuous instruction. In addition to the Historical and Political Science Association, at which the original work of the students is presented and criticized, a fortnightly Seminary is held, at which papers upon special topics, prepared by the students, are read and discussed. During the past two years the problems of colonial government and administration and unsettled points in international law have been specially considered. The lecture work is divided into six courses, each two hours weekly, two courses being given each year. These courses, though complete in themselves, are so arranged that the first three give a comprehensive treatment of United States and foreign Constitutional Law, while the last three together cover the entire history of the development of political ideas. The courses are as follows:

(1) *Comparative Public Law.* The theory of the State, the general principles of constitutional and international law, and the more difficult points in the systems of constitutional jurisprudence of the modern European states are discussed. Especial attention is given to composite forms of state life.

(2) *Advanced American Constitutional Law.* For this work a general knowledge of United States political history and constitutional law is presupposed, the lectures being devoted to a discussion of the more perplexing and unsettled points in our constitutional jurisprudence, and the illustrations being drawn largely from the recent and current decisions of the United States Supreme Court.

(3) *The Legal Aspects of Economic and Industrial Problems.* In this course the chief legal points involved in the state regulation of public and private employments are discussed. Among the particular topics treated are: eminent domain, the police power, taxation, interstate commerce, factory legislation, capitalistic combinations, labor unions, strikes, boycotts, industrial arbitration, bankruptcy, legal tender.

(4) *History of Ancient and Mediæval Political Theories.* The political ideas and ideals of these times, as revealed in literature, law, and political practice, are analyzed and criticized. Especial effort is made to show the extent to which these theories have been the outcome of the objective conditions and general intellectual characteristics of the times in which they have been formulated.

(5) *History of Modern Political Theories to the Nineteenth Century.* A continuation of the preceding course.

(6) *History of the Political Theories and Literature of the Nineteenth Century.* A continuation of the preceding course.

Undergraduate instruction in Political Science is given in connection with the undergraduate historical and economic courses.

Political Economy

Graduate Courses

Graduate instruction in Political Economy is under the direction of Professor Hollander, assisted by Dr. Barnett. It is designed primarily to meet the needs of advanced students preparing for a professional career in economic science. The courses afford systematic instruction in general economic principles, intimate acquaintance with special fields of economic activity, and, most important of all, knowledge of and ability to employ sound methods of economic research.

The work centres in the Economic Seminary, the membership

of which is limited to the most advanced students and the primary design of which is to develop scientific research in economic study and investigation. The present field of research is the history, structure, and function of labor organizations in the United States. Individual members are assigned specific aspects of the labor question for study and investigation. In each of such cases, the immediate environment is first studied; thereafter examination is made of conditions in other typical communities until sufficient data for reasonably safe generalizations are obtained. Members of the Seminary showing special capacity for economic investigation in other fields than that selected for collective study are encouraged to continue their inquiries and to present the results for criticism as to method and content.

Formal graduate instruction is offered in Theoretical Economics and in Applied Economics, by parallel courses of lectures throughout the year. The particular topics treated vary from year to year. In 1903–04, Professor Hollander lectured two hours weekly on the History of Distribution, and two hours on the History and Theory of Taxation. During the present year attention has been given, in the course on Economic Theory, to a careful survey of the Development of Economic Theories since Adam Smith. In the course on Applied Economies careful study has been made of American Public Finances —federal, state and local. In connection with both courses representative texts have been assigned for reading and study, and exercise has been afforded in the use of original sources of theoretical and financial information. A reading class has also afforded advanced students opportunity for informal study and discussion. Original papers in economic science have been presented in the Historical and Political Science Association, in co-operation with the department of history and political science.

Dr. G. E. Barnett, Associate in Political Economy, has lectured, during the first half-year on the theory of Statistics, and during the second half-year on Statistical Methods. Mr. John M. Glenn, President of the Board of Supervisors of City Charities, has delivered a course of ten lectures on Public and Private Poor Relief and Correction. Mr. Clayton C. Hall, of

Baltimore, has given a course of lectures on Insurance in its economic and practical aspects.

While primarily designed, as has been noted, for the needs of students preparing for a scientific career in the field of political economy the instruction offered is of material service to persons looking forward to practical social work, or proposing to enter the public service, the professions of law and journalism, or desirous of equipping themselves for a large and generous citizenship. With this in view, particular attention is paid to recent industrial and financial developments in the United States. Proximity to Washington offers special facilities for study and investigation in these directions, and efforts are made to profit by close acquaintance with and actual use of the important resources there existing.

Undergraduate Courses

The undergraduate instruction in political economy is given by Professor Hollander and Dr. Barnett. It is designed not only to prepare elementary students for the advanced courses described above, but also to contribute to a liberal education that fund of information and that mode of thought which will permit young men, in whatever walk of life engaged, to interpret and to appreciate the economic activities of human society.

The method employed is class-room instruction from required text books, supplemented by lectures, collateral reading, written reports, and periodic examinations. In a Minor Course, the outlines of industrial development and the elements of economic theory are taught, after which attention is paid to the principles of money and banking, taxation, and international trade. In a Major Course, instruction is given in recent changes in industrial organization and in current economic thought. This course also offers favorable opportunity for those graduate students who have had no adequate training in political economy, to prepare for the graduate courses. A portion of the Minor Course, taken in connection with a course in history, is required of all undergraduates not pursuing the historical-political group of studies.

Philosophy and Psychology

Graduate Courses

The graduate work of the department falls into two divisions, according as the student specializes in Philosophy proper or in scientific and experimental Psychology. Within these two divisions many special topics are treated. In each division the work is planned to cover three years. The arrangement by years is mainly for convenience; it is not of the nature of a curriculum. The courses are offered to stimulate and aid the student in the work of investigation. Whether, and when, the candidate shall take the degree of Doctor of Philosophy, under the university regulations, depends upon his success in the prosecution of a piece of research.

In the division of Philosophy, the first year offers courses in General Psychology, Social Psychology and Philosophy, and Theory of Evolution and Comparative Psychology,—these topics being a necessary foundation to the more detailed work of later years. In the division of Psychology, a training course in Experimental Psychology is added to the work of division I.

In the second year, more special work of research is carried on. In Philosophy, the Theory of Knowledge becomes the central topic. History of Philosophy and Ethics are given, and a variety of special topics are presented in which the student has various alternatives opened for his own research. In the Psychology division, the research courses in Experimental Psychology in the laboratory are central, the Theory of Knowledge is associated with it, and again a variety of special topics allows choice of subjects allied to the main problem of the particular student.

In the third year, the Seminary and Laboratory courses are the centre of the work, in the two divisions respectively, the student being expected to give most of his time to work on the topic of his dissertation. In this last year, the professors devote themselves to the direction and development of the students' investigations. A graduate Conference meets weekly. Throughout the entire course the seminary and laboratory methods of instruction are preferred to that by formal lectures.

Professor Baldwin is the Director of the Philosophical Seminary, and Professor Stratton, of the Psychological Laboratory. The Seminary room, containing the department library, in Levering Hall, and the Laboratory, situated in the biological building, are in full working order. The library has the use of the large collection of journals and files of current serials belonging to the Director.

The distribution of topics among the staff is as follows: Psychology (except experimental), Theory of Knowledge, and General Philosophy are treated by Professor Baldwin; History of Philosophy and Ethics, by Professor Griffin; Experimental Psychology, by Professor Stratton and Dr. Baird.

The additional special topics treated in the year 1904–05 are Vision and Symbolic Logic, by Mrs. Franklin; the Cerebral Cortex, by Dr. Farrar; American Philosophy in the Eighteenth Century, by Dr. Riley.

For the year 1904–05 Dr. I. Woodbridge Riley has been appointed Johnston Research Scholar in this department.

Undergraduate Courses

Courses in Logic, Ethics, and the History of Philosophy are conducted by Professor Griffin, and in Psychology by Professor Griffin and Professor Stratton. These occupy five hours per week throughout the year, and all candidates for the degree of Bachelor of Arts are required to follow them during the last year of residence. The instruction is adapted, as far as possible, to the needs of those to whom these subjects are new; attention is, however, called to the fundamental problems, and the work is intended to serve as an introduction to general philosophical study.

(*a*) *Logic.* The logical forms—terms, propositions, syllogisms—are studied as an analysis or explanation of the thinking process, and as a practical discipline in exact thought; attention is given also to the material elements in inference, as these are stated in the several inductive methods.

(*b*) *Psychology.* The instruction in Psychology is intended

to give a general view of the results of present methods of study. Demonstrations of the anatomy of the nervous system, and in experimental psychology, are included in the course. Such powers and states of mind as attention, memory, association, habit, imagination, the feelings, the will, are discussed in as concrete and practical a way as possible. An essay on an assigned subject is required from each member of the class.

(*c*) *Ethics.* Ethics is treated with reference to its fundamental problems as a theoretical science; questions of applied ethics receive, for lack of time, comparatively little attention. One essay is required from each member of the class.

(*d*) *History of Philosophy.* An outline of the history of philosophy is given in a series of lectures, some of which are included in the prescribed instruction, and some of which are for the benefit of any who may be disposed to attend them.

Drawing

The instruction in drawing is arranged to give the students a general knowledge of the subject, as far as the time at command will permit, while those who show particular aptitude are encouraged to follow special courses. The instruction is given by Mr. S. E. Whiteman.

Undergraduates take up the subject as one of their required studies, unless they can show a fair degree of proficiency attained elsewhere. Graduate and special students are allowed the privilege of receiving such instruction as may be most helpful to them in their respective fields of work. Those who look forward to scientific pursuits, especially those who study natural history, medicine, physics, applied mathematics and mechanics, find these courses of great value.

The undergraduate course is designed to form part of the general education of the student. It aims to impart such knowledge of the principles of drawing, with extended practice in the application of the same, as shall best serve to educate the eye

and to train the hand,—the one to see correctly, and the other to express accurately the appearance of forms. The course includes freehand and mechanical drawing. Students may have the option of freehand drawing alone throughout the year. In the freehand drawing, the student is at once set to draw from models, beginning with elementary forms, and proceeding through a series of exercises till he is able to produce a fair drawing of any simple object or group of objects, in outline and in light and shade, followed by work from the antique in light and shade. The use of drawing instruments is taught, and the constructive processes are applied which are in general use in instrumental drawing. The elements of descriptive geometry are afterwards taken up in this course, and the fundamental principles of orthographic, scenographic, and isometric productions are worked out and applied in carefully executed drawings, finished in ink. Precision and fidelity are insisted on, and no careless work is allowed, nor is any copying permitted. Each student receives the personal attention and guidance of the instructor. With the exactness of pen-and-ink work on the one hand and the freedom of charcoal on the other, the student attains a power of graphic expression which will be of service to him in almost any pursuit. The instruction in mechanical drawing will be found of great value to students who are looking forward to courses in engineering or applied science. This course is required of all undergraduate students who take the course in mathematics.

The special instruction in drawing is necessarily of such a nature as is best adapted to the requirements of the individual student: freehand drawing from natural forms, in charcoal and in pencil; from plaster casts in charcoal; advanced work in descriptive geometry. This special instruction includes work for students preparing for the courses in medicine and biology, but of a character more directly applied to these studies with a view to illustrating the work of these courses.

Public Speaking

Required courses in the art of public speaking and in the elements of parliamentary law, amounting to the equivalent of one hour weekly throughout the year, are provided for undergraduate students in their first year. A course in debating, which involves the collection and arrangement of material with frequent practice in debate under the direction of an instructor, is a further requirement during the second year. Opportunity for more detailed study of the art of debate and for practice in argumentative composition is open to those who desire it during the third year. Prize contests in public speaking and debate are held annually, and intercollegiate debates with other institutions are frequently arranged.

Physical Training

A careful examination of each undergraduate is made by the director of the gymnasium, Dr. C. R. MacInnes, and such exercises are prescribed as are best suited to his needs. Systematic exercise is required of all undergraduates during their first year of residence; in subsequent years this is not compulsory. Regular class instruction is given every afternoon from five to six. The use of the gymnasium is optional in the case of graduate students.

The gymnasium is a new building, 127 feet long by 35 feet wide, and is provided with convenient lockers, baths, etc., as well as with the newest forms of apparatus. Adjoining the gymnasium proper is a "cage,"—an enclosed and covered space for practice in running and in athletic sports,—127 feet long, 66 feet wide, and 30 feet high.

In order to prevent ill-advised participation in outdoor sports, and to guard against over-indulgence in training, the athletic teams of the university are under the control of the director of the gymnasium. No student is allowed to become a member of a team unless his physical condition is satisfactory, and no student is allowed to be a member of, or a candidate for, an athletic team, who is seriously deficient in his studies.

REGULATIONS GOVERNING THE DEGREE OF DOCTOR OF PHILOSOPHY

[Adopted by the Board of University Studies, February 26, 1898, and revised December 4, 1901.]

The degree of Doctor of Philosophy is offered to students who have followed advanced courses of university study for a period of not less than three years, under suitable guidance and favorable conditions, and who have submitted an acceptable dissertation and passed the prescribed examinations.

In order to be accepted by the Board of University Studies as a candidate for the degree of Doctor of Philosophy, the student must give evidence that he has completed such a liberal undergraduate course of academic study antecedent to the baccalaureate degree as is offered by colleges of good standing.

He must then follow advanced studies in the departments of knowledge which he may have chosen, and these studies must be pursued without serious distractions, under qualified teachers, for a period of at least three years. Private study, or study pursued at a distance from libraries and laboratories and other facilities, will not be considered as equivalent to university study.

The Board reserves the right to decide in each case whether the antecedent training has been satisfactory, and, if any of the years of advanced work have been passed by the candidate away from this university, whether they may be rightly regarded as spent in university studies under suitable guidance and favorable conditions.

In order that students may receive the definite counsel of the proper authorities with respect to their future course, they are advised to offer themselves as "candidates" for this degree as soon after entrance as their purposes are formed. At least one academic year must be passed in this university, and in every case the year immediately preceding the final examinations.*

* In case a student has complied with all the conditions and has practically completed his preparation for the final examinations, and is prevented by good reason from presenting himself, he should ask the Board to appoint a later day for his examination.

Correspondence on the foregoing matters should be addressed to the Registrar of the University.

Requirements for the Degree

Every candidate for the degree of Doctor of Philosophy must select one principal and two subordinate subjects, the combination to be approved by the Board of University Studies. These must be pursued without serious distraction and under the general direction of the professor in the principal subject of study, who is the official adviser of the candidate. The student must prepare a satisfactory dissertation, and must pass with credit certain written and oral examinations in his chosen departments of study.

Acceptance of the Candidate

A student wishing to be considered a candidate for the degree must make formal application to the Board of University Studies to be enrolled, and must be accepted by the Board at least an academic year† in advance of the time when he expects to present himself for examination in his principal subject. A blank form is provided for the purpose. After filling out this form, the student must present himself before the examiners in French and German at one of the stated examinations in these subjects. When their certificates are affixed to his application, he is to obtain the signatures of approval of the professors in the department concerned. The application, thus completed, is then to be presented to the Board for its final action.

Requirements in French and German

a. The candidate must be able to translate French and German at sight. Familiarity with journals and monographs pertaining to his principal department of study will satisfy this requirement.

b. Examinations are held in these languages at the middle

† The acceptance of a candidate by the Board at its October meeting is regarded as an acceptance at the beginning of an academic year.

and end of each academic year, at one of which times the candidate must present himself. In October there is provided a special examination for students not connected with the university during the previous academic year.

c. Students who have not acquired a reading knowledge of these languages before engaging in graduate study, are advised to pursue a course organized for that purpose, during their first year. Absolving the class examination at the end of this course will be construed as satisfying this requirement for the degree of Doctor of Philosophy.

Requirements in the Subordinate Subjects

The subordinate subjects are of two grades, and are known respectively as the first subordinate and the second subordinate. Each of these subjects shall be followed by the candidate for a portion of his time, during at least one year of graduate study.

It is impossible to define with precision the amount of time to be devoted to the subordinate subjects. In general, however, it may be stated that the two subordinate subjects, taken together, should represent one year's work, two-thirds of this time being devoted to the first subordinate subject.

Dissertation

a. The dissertation must be written upon a theme approved by the adviser of the candidate, and must be completed and submitted to the Board at least four weeks before the written examinations in the principal subject are held, unless the adviser recommends a later date. The dissertation must be legibly written, or type-written, or printed, then paged and bound, in accordance with the instructions given below. The copy thus prepared is to be placed on file and become the property of the university. Before proceeding to prepare this copy, the candidate must confer with the Registrar, who will show to him a model exhibiting the kind of paper to be used and the general style of binding to be followed. On the back of the cover shall be placed the word dissertation, the name of the author, the

date, and, if possible, the title of the dissertation. The title page shall contain the words *Dissertation submitted to the Board of University Studies of the Johns Hopkins University in conformity with the requirements for the degree of Doctor of Philosophy*, in addition to the title, the name of the author, and the date.

b. The Board shall designate two or more referees, who shall present a written report on the dissertation,—said report to be filed. In the intervals between the sessions of the Board, the President shall have power to appoint the referees.

c. The candidate shall print the dissertation in full or in part,—if in part, to the extent of not less than twenty-four octavo pages, and these twenty-four pages may contain either an abstract or a section of the dissertation,—under the supervision of his adviser, within one year of the time when the degree is conferred, and shall present one hundred and fifty copies of the work to the university. A biographical sketch of the author shall be appended to the dissertation in both its manuscript and its printed form.

d. If the required number of printed copies have not been presented to the university, a deposit of $50, to insure the printing within the specified period, shall be made by the candidate at the treasurer's office before the degree is conferred. This deposit shall be returned to him when the printed copies are presented to the university.

e. If the required number of printed copies should not be presented to the university within the specified time, the Board may declare the deposit forfeited, and may apply the amount in printing such portions as the adviser may deem proper.

Examinations

a. The candidate shall be given written examinations in the principal subject and, wherever practicable, in both subordinate subjects, and an oral examination before the Board in the principal and in the first subordinate subject.

b. The candidate shall be permitted to take the written examinations in both the first and second subordinates at the

end of the respective years in which the courses in these subjects were completed, or whenever he is ready, at the discretion of the examiner.

c. The professors in the several departments of study shall prepare written reports on the result of the examinations. These reports, together with the questions and answers, shall be laid before the Board at the oral examinations and the reports filed.

d. In the written examinations no one session shall exceed five hours.

e. In the oral examinations before the Board, the time allotted to each examination shall be one hour, and three-quarters of this time shall be devoted to the principal subject.

Conferring of Degree

The names of the candidates found worthy of the degree will be submitted to the Board of Trustees, and with their approbation the degree will be publicly conferred.

COLLEGIATE INSTRUCTION

In addition to the instruction provided for graduate students, the Johns Hopkins University makes ample provision for collegiate instruction. Its work was originally organized to meet the needs of those desiring a systematic discipline in liberal studies, as well as to furnish additional opportunities to persons who had already received a college training. The courses offered to undergraduates are maintained with no less care and thoroughness than those intended for advanced students; many of the oldest and most experienced members of the academic staff co-operate in the conduct of them. No small part of the influence and usefulness of the university is in connection with the collegiate classes, in which, since 1876, more than seventeen hundred students have been enrolled.

Certain features of organization and administration have contributed to the effectiveness of the undergraduate work. The scrupulous observance of the distinction between the disciplinary methods appropriate to college teaching and the freer methods of advanced instruction; the "group" arrangement of studies, combining a reasonable liberty of choice with a sufficient exercise of authority; the facilities afforded young men of superior capacity for carrying their studies beyond the requirements of graduation; the influence upon younger pupils of the presence of a large body of graduate scholars conducting investigations in all the great departments of learning:—these conditions have proved favorable to the development of earnestness and scholarly devotion.

ARRANGEMENT OF COURSES

The courses of study open to undergraduates are arranged in (a) the curriculum prescribed for candidates for matriculation; (b) the several "groups" offered to matriculated students.

(a). Curriculum Prescribed for Candidates for Matriculation

The standard of matriculation maintained at the Johns Hopkins University is considerably higher than that maintained by institutions which require a residence of four years in order to graduation. In the Baltimore City College, and in several private schools of Baltimore, young men may be prepared to pass the matriculation examination; but many are unable to secure, in the places where they reside, instruction which will fit them to meet the requirements here exacted. As a consequence, many students who have desired to enter the university have been unable to do so, and some who have entered have done so only under the embarrassment and vexation of "conditions." In order to meet this difficulty, terms of admission are now designated, corresponding to the terms of admission to other colleges of established reputation, and students who satisfy these requirements are admitted to a prescribed course of study adapted to prepare them, at the end of a year, for full matriculation.

The course of study prescribed for these students is as follows:

1. Mathematics. *Four hours weekly.*
   - Algebra (special topics).
   - Solid Geometry.
   - Plane Trigonometry.
   - Analytic Geometry (straight line and loci).

2. Latin. *Three hours weekly.*
   - Cicero, *De Amicitia.*
   - Nepos (selections).
   - Vergil, *Georgics.*
   - Ovid (selections).
   - Sight Reading and Prose Composition.

3. GREEK. *Three hours weekly.*
   Homer, *Iliad*, book vi.
   Herodotus, book vii.
   Sight Reading and Prose Composition.

4. GERMAN OR FRENCH.
   (*a*) For students offering Greek at entrance. *Three hours weekly.*
   German: Vos, *Essentials of German;* Vos, *Materials for German Conversation;* Storm, *Immensee;* Gerstäcker, *Germelshausen.*
   French: Fraser and Squair's *French Grammar, Part I, and Reader;* Verne, *Vingt Mille Lieues sous les Mers;* About, *La Mère de la Marquise;* Coppée, *On rend l'Argent;* Labiche, *Le Voyage de M. Perrichon.*

After completing one of these courses, students are required to take Minor A in their groups.

   (*b*) For students not offering Greek at entrance. *Four hours weekly.*
   The minor course, Class A, in either German or French.

5. RHETORIC AND ENGLISH COMPOSITION. *Three hours weekly.*
   Principles of Rhetoric.
   Rhetorical Analysis.
   Practice in writing.

Students taking Greek may defer this course until after matriculation.

6. FREEHAND AND MECHANICAL DRAWING.

(b). GROUPS OFFERED TO MATRICULATED STUDENTS

After matriculation, the student is expected to follow one of several distinct and parallel courses of instruction known as "groups." These are seven in number, each comprising (1) studies common to all the groups and required of all undergraduates, (2) studies peculiar to a group, (3) optional studies. The groups are assumed to be equally honorable and difficult, and are intended to combine liberty of election on the part of the student with sufficient exercise of authority to prevent discursive and ill-considered work. Each group contains two principal studies, both of which extend through two years of instruction. These are: (1) Latin and Greek, (2) Mathematics and Physics, (3) Chemistry and Biology, (4) Geology and Biology, (5) Latin

and Mathematics, (6) History, with Political Science or Economics, (7) English, with German or French.

The student may follow strictly the group which he has chosen; or, under the regulations hereinafter stated (see page 187, section *b*), he may substitute, with the approval of his adviser, other studies for two—in certain cases, for three—of the courses laid down in his group.

Students who have passed French or German as the principal subject in place of Greek for matriculation, are required to substitute for it some other subject, or to take an advanced course in one of these languages. Any undergraduate course approved by the adviser may be chosen for this purpose.

In these ways the course of study in the several groups may be modified; while those who wish to concentrate their attention in the more thorough study of a special field, will find it advantageous to accept the groups as they stand.

The optional courses in Science and Literature vary from year to year, and may be followed by the student according to his tastes and acquisitions. The arrangements of the university allow those who have capacity for more than is prescribed, to broaden their studies by attendance upon the public lectures from time to time provided; and, if time permits, they may also take longer or shorter courses not actually required of them.

Each group contains twelve courses. Eight of these are four-hour courses,—each representing four hours of class-work weekly for a year. Of the others, two—the course in Rhetoric and that in English Literature—are three-hour courses; one is an elective of two hours in the third year; and one—the course in Philosophy—occupies five hours weekly through one year. Rhetoric, English Literature, and Philosophy form a part of each group. A course in Economics and History is also included in each group. Each group contains at least one year of French and one year of German, and at least one year of attention to a scientific subject, including the performance of the work prescribed in the laboratory. The instruction in Drawing and in Vocal and Physical Culture is additional to these twelve courses.

1. *The Classical Group*

The classical group corresponds in the main to what has been the ordinary course of study in American colleges, the requisite mathematics having been secured before matriculation. The emphasis is laid upon Latin and Greek, each of which is studied two years. Rhetoric, English Literature, French, German, one subject involving a year of laboratory work, Economics and History, Comparative Philology, Philosophy, and an elective subject occupying two hours weekly in the third year, are also included, together with Drawing and Vocal and Physical Culture.

2. *The Mathematical-Physical Group*

The Mathematical-Physical group substitutes two years of Mathematics and two years of Physics for Latin and Greek, adding also a year of Chemistry, the other studies being the same as in the classical group. This course affords a good basis for the subsequent study of Electricity, Engineering, Astronomy, and other subjects largely dependent on the science of Mathematics.

3. *The Chemical-Biological, or Preliminary Medical, Group*

The Chemical-Biological group prepares the student to enter at once upon the studies of the Johns Hopkins Medical School, and is also a good preparation for the study of medicine elsewhere, or for the professional study of Natural History. It provides instruction in Physics, Chemistry, and Biology, with laboratory practice. The requirements in French, German, English, History, and Philosophy are the same as in the other groups.

4. *The Geological-Biological Group*

The Geological-Biological group furnishes a good fundamental training in the sciences, providing a year's course each in Biology, Physics, and Chemistry, and a two years' course in Geology. It affords a broad education in scientific studies, and prepares the student both to appreciate scientific methods, and to pursue advanced courses in Geology, later, should he so desire.

5. *The Latin-Mathematical Group*

The Latin-Mathematical group affords a good fundamental training without the study of Greek. It differs from the classical group only in substituting Mathematics for Greek.

6. *The Historical-Political Group*

The Historical-Political group furnishes a basis for the subsequent study of law. It omits Greek and retains but one year of Latin, providing two years of History and two years of Economic and Political Science.

7. *The Modern Language Group*

The Modern Language group is designed for those who wish a literary training based upon the modern rather than upon the ancient languages. It substitutes for Greek two years of English, and, retaining one year of Latin, substitutes for the other an additional year of either French or German. If the student is already proficient in French or German, he may substitute a year of Spanish or Italian for one of these languages.

Detailed statements respecting the groups are given in the succeeding pages.

First Group (*Classical*)

First Year

LATIN.

CLASS WORK. (9 a. m.) *Four hours weekly.*

Livy (two books).
Horace (selections).
Prose Composition.

PRIVATE READING:

Cæsar, *Bellum Civile* (book i).
Tacitus, *Agricola.*
Ovid, *Fasti* (selections).
Vergil, *Aeneid* (books ix, xii).

RHETORIC AND ENGLISH COMPOSITION. (12 m.) *Three hours weekly.*

Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

GREEK.

CLASS WORK. (1 p. m.) *Four hours weekly.*

Andocides, *de Mysteriis.*
Lysias, *Epitaphius.*
Euripides (one play).
Prose Composition.

PRIVATE READING:

Xenophon, *Hellenica* (book i).
Homer, *Odyssey* (books i, ix, x).

GERMAN: *Minor B.* (11 a. m.) *Four hours weekly.*

Vos, *Essentials of German.*
Whitney's *Grammar.*
Gerstäcker, *Germelshausen.*
Wilhelmi, *Einer muss heiraten.*
von Wildenbruch, *Das edle Blut.*
Keller, *Kleider machen Leute.*
Prose Composition.

Second Year

LATIN.

CLASS WORK. (9 a. m.) *Four hours weekly.*

Catullus.
Roman Elegy.
Plautus (one play).
Terence (one play).
Reading at Sight.
Prose Composition.

PRIVATE READING:

Quintilian (book x).
Plautus, *Miles Gloriosus.*

ENGLISH LITERATURE. *Three hours weekly.*

Outline History.
Critical Study of Important Writers.
Private Reading.

GREEK.

CLASS WORK. (12 m.) *Four hours weekly.*

Plato, *Protagoras.*
Selections from the elegiac, melic, and iambic poets.
Sophocles (one play).
Reading at Sight.
Prose Composition.

PRIVATE READING:

Aeschylus, *Prometheus.*
Aristophanes, *Nubes.*

LABORATORY COURSE. *Four hours class-work weekly.*

*Chemistry (9 a. m.), *or*
Physics (10 a. m.), *or*
Biology (10 a. m.).
} Lectures, recitations, and laboratory work.

Third Year

PHILOSOPHY. (11 a. m.) *Five hours weekly.*

Logic, Psychology, and Ethics.

HISTORY AND ECONOMICS. (10 a. m.) *Four hours weekly.*

Historical Politics. *Two hours.*
Elements of Economics.
Applied Economics.
} *Two hours.*

†ELECTIVE COURSE. *Two hours weekly.*

FRENCH: *Minor B.* (12 m.) *Four hours weekly.*

Grammar and Composition.
Nineteenth Century Prose.
Pronunciation. Private Reading.

COMPARATIVE PHILOLOGY. *One hour weekly.*

*If Chemistry be chosen, it should be taken in the third year, and History and Economics in the second year.

†For 1905-1906, elective courses are offered in the following subjects: Differential Equations, Zoology or Botany, Hebrew, Latin, Greek, German, French, Italian, Spanish, English Literature, Political Economy.

Second Group (*Mathematical-Physical*)

First Year

GERMAN: *Minor A.* (11 a. m.) *Four hours weekly.*
Classics: Schiller; Goethe.
Prose Reading: Seidel; Baumbach.
Composition. Private Reading.
Or
*FRENCH: *Minor A. Four hours weekly.*
Modern Prose and Poetry.
Selected Classics.
Composition. Private Reading.

CHEMISTRY. (9 a. m.) *Four hours class-work weekly.*
General Chemistry.
Laboratory Work. (*Five hours weekly.*)

RHETORIC AND ENGLISH COMPOSITION. (12 m.). *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS. *Four hours weekly.*
Plane Analytic Geometry.
Differential and Integral Calculus.
Practical Exercises. (*Two hours weekly.*)

Second Year

PHYSICS. (10 a. m.) *Four hours class-work weekly.*
Elementary Mechanics.
Sound.
Heat.
Electricity and Magnetism.
Light.
Laboratory Work. (*Five hours weekly.*)

ENGLISH LITERATURE. *Three hours weekly.*
Outline History.
Critical Study of Important Writers.
Private Reading.

MATHEMATICS. (9 a. m.) *Four hours weekly.*
Determinants.
Differential and Integral Calculus (special topics).
Theory of Equations.
Elements of Projective Geometry.
Analytic Geometry of Three Dimensions.
Practical Exercises. (*Two hours weekly.*)

Students who have passed French or German as the principal subject in place of Greek for matriculation, must substitute some other four-hour course.

Third Year

PHILOSOPHY. (11 a. m.) *Five hours weekly.*
Logic, Psychology, and Ethics.

HISTORY AND ECONOMICS. (10 a. m.) *Four hours weekly.*
Historical Politics. *Two hours.*
Elements of Economics. } *Two hours.*
Applied Economics. }

PHYSICS. (12 m.) *Four hours class-work weekly.*
Mechanics.
Thermodynamics.
Electricity and Magnetism.
Physical Optics.
Laboratory Work. (*Five hours weekly.*)

†ELECTIVE COURSE. *Two hours weekly.*

*The French may be deferred until the second year by substituting, with the approval of the Adviser, Minor English for English Literature.

† For 1905-1906, elective courses are offered in the following subjects: Differential Equations, Zoology or Botany, Hebrew, Latin, Greek, German, French, Italian, Spanish, English Literature, Political Economy.

Third Group (*Chemical-Biological*)

First Year

PHYSICS. (10 a. m.) *Four hours class-work weekly.*

Elementary Mechanics.
Heat.
Electricity and Magnetism.
Sound.
Light.
Laboratory Work. (*Five hours weekly.*)

RHETORIC AND ENGLISH COMPOSITION. (12 m.). *Three hours weekly.*

Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

CHEMISTRY. (9 a. m.) *Four hours class-work weekly.*

General Chemistry.
Laboratory Work. (*Five hours weekly.*)

GERMAN: *Minor A.* (11 a. m.) *Four hours weekly.*

Classics: Schiller; Goethe.
Prose Reading: Seidel; Baumbach.
Composition. Private Reading.

Or

FRENCH: *Minor A. Four hours weekly.*

Modern Prose and Poetry.
Selected Classics.
Composition. Private Reading.

Second Year

CHEMISTRY. (9 a. m.) *Four hours class-work weekly.*

Advanced Inorganic Chemistry.
Chemistry of Carbon Compounds.
Laboratory Work. (*Five hours weekly.*)

ENGLISH LITERATURE. *Three hours weekly.*

Outline History.
Critical Study of Important Writers.
Private Reading.

BIOLOGY. (10 a. m.) *Four hours class-work weekly.*

General Biology.
Embryology.
Laboratory Work. (*Five hours weekly.*)

Students who have passed French or German as the principal subject in place of Greek for matriculation, must substitute some other four-hour course.

Third Year

BIOLOGY. (9 a. m.) *Four hours class-work weekly.*

Elements of Zoology and Comparative Anatomy.
Elements of Botany.
Laboratory Work. (*Five hours weekly.*)

*ELECTIVE COURSE. *Two hours weekly.*

PHILOSOPHY. (11 a. m.) *Five hours weekly.*

Logic, Psychology, and Ethics.

HISTORY AND ECONOMICS. (10 a. m.) *Four hours weekly.*

Historical Politics. *Two hours.*
Elements of Economics. } *Two hours.*
Applied Economics. }

*For 1905–1906, elective courses are offered in the following subjects: Differential Equations, Hebrew, Latin, Greek, German, French, Italian, Spanish, English Literature, Political Economy.

Fourth Group (*Geological-Biological*)

First Year

CHEMISTRY. (9 a. m.) *Four hours class-work weekly.*
- General Chemistry.
- Laboratory Work. (*Five hours weekly.*)

GERMAN: *Minor A.* (11 a. m.) *Four hours weekly.*
- Classics: Schiller; Goethe.
- Prose Reading: Seidel; Baumbach.
- Composition. Private Reading.

Or

FRENCH: *Minor A. Four hours weekly.*
- Modern Prose and Poetry.
- Selected Classics.
- Composition. Private Reading.

PHYSICS. (10 a. m.) *Four hours class-work weekly.*
- Elementary Mechanics.
- Heat.
- Electricity and Magnetism.
- Sound.
- Light.
- Laboratory Work. (*Five hours weekly.*)

RHETORIC AND ENGLISH COMPOSITION. (12 m.) *Three hours weekly.*
- Principles of Rhetoric.
- Rhetorical Analysis.
- Practice in Writing.

Second Year

BIOLOGY. (10 a. m.) *Four hours class-work weekly.*
- General Biology.
- Elements of Systematic Botany.
- Laboratory Work. (*Five hours weekly.*)

ENGLISH LITERATURE. *Three hours weekly.*
- Outline History.
- Critical Study of Important Writers.
- Private Reading.

GEOLOGY. (12 m.) *Four hours class-work weekly.*
- Crystallography.
- Descriptive Mineralogy.
- Physical Geology.
- Laboratory Work. (*Three hours weekly.*)
- Excursions.

Students who have passed French or German as the principal subject in place of Greek for matriculation, must substitute some other four-hour course.

Third Year

PHILOSOPHY. (11 a. m.) *Five hours weekly.*
- Logic, Psychology, and Ethics.

HISTORY AND ECONOMICS. (10 a. m.) *Four hours weekly.*
- Historical Politics. *Two hours.*
- Elements of Economics. } *Two hours.*
- Applied Economics. }

GEOLOGY. (9 a. m.) *Four hours class-work weekly.*
- Structural Geology.
- Outline Paleontology.
- Historical Geology.
- Laboratory Work. (*Three hours weekly.*
- Excursions.

*ZOOLOGY *or* BOTANY. (Elective.) *Two hours weekly.*

* In 1905-1906, one of the following two-hour elective courses may be substituted for Zoology or Botany: Differential Equations, Hebrew, Latin, Greek, German, French, Italian, Spanish, English Literature, Political Economy.

Fifth Group (*Latin-Mathematical*)

First Year

LATIN.

CLASS WORK. (9 a. m.) *Four hours weekly.*

Livy (two books).
Horace (selections).
Prose Composition.

PRIVATE READING:

Cæsar, *Bellum Civile* (book i).
Tacitus, *Agricola*.
Ovid, *Fasti* (selections).
Virgil, *Æneid* (books ix, xii).

RHETORIC AND ENGLISH COMPOSITION. (12 m.) *Three hours weekly.*

Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS. *Four hours weekly.*

Plane Analytic Geometry.
Differential and Integral Calculus.
Practical Exercises. (*Two hours weekly.*)

GERMAN: *Minor A.* (11 a. m.) *Four hours weekly.*

Classics: Schiller; Goethe.
Prose Reading: Seidel; Baumbach.
Composition. Private Reading.

Or

*FRENCH: *Minor A. Four hours weekly.*

Modern Prose and Poetry.
Selected Classics.
Composition. Private Reading.

Second Year

LABORATORY COURSE. *Four hours class-work weekly.*

Chemistry (9 a. m.), *or*
Physics (10 a. m.), *or*
Biology (10 a. m.).
} Lectures, recitations, and laboratory work.

ENGLISH LITERATURE. *Three hours weekly.*

Outline History.
Critical Study of Important Writers.
Private Reading.

MATHEMATICS. (9 a. m.) *Four hours weekly.*

Determinants.
Differential and Integral Calculus (special topics).
Theory of Equations.
Elements of Projective Geometry.
Analytic Geometry of Three Dimensions.
Practical Exercises. (*Two hours weekly.*

Students who have passed French or German as the principal subject in place of Greek for matriculation, must substitute some other four-hour course.

Third Year

LATIN.

CLASS WORK. (9 a. m.) *Four hours weekly.*

Catullus.
Roman Elegy (selections).
Plautus (one play).
Terence (one play).
Reading at Sight.
Prose Composition.

PRIVATE READING:

Quintilian (book x).
Plautus, *Miles Gloriosus*.

PHILOSOPHY. (11 a. m.) *Five hours weekly.*

Logic, Psychology, and Ethics.

HISTORY AND ECONOMICS. (10 a. m.) *Four hours weekly.*

Historical Politics. *Two hours.*
Elements of Economics. } *Two hours.*
Applied Economics.

†ELECTIVE COURSE. *Two hours weekly.*

*The French may be deferred until the second year by substituting, with the approval of the Adviser, Minor English for English Literature.

†For 1905-1906, elective courses are offered in the following subjects: Differential Equations, Zoology or Botany, Hebrew, Latin, Greek, German, French, Italian, Spanish, English Literature, Political Economy.

Sixth Group (*Historical-Political*)

First Year

GERMAN: *Minor A.* (11 a. m.) *Four hours weekly.*
- Classics: Schiller; Goethe.
- Prose Reading: Seidel; Baumbach.
- Composition. Private Reading.

Or

FRENCH: *Minor A. Four hours weekly.*
- Modern Prose and Poetry.
- Selected Classics.
- Composition. Private Reading.

RHETORIC AND ENGLISH COMPOSITION. (12 m.) *Three hours weekly.*
- Principles of Rhetoric.
- Rhetorical Analysis.
- Practice in Writing.

ANCIENT HISTORY. (10 a. m.) *Four hours weekly.*
- Greece.
- Rome.
- Readings from Classical Historians.

LATIN.

CLASS WORK. (9 a. m.) *Four hours weekly.*
- Livy (two books).
- Horace (selections).
- History of Roman Literature.
- Sight Reading.

PRIVATE READING:
- Cæsar, *Bellum Civile* (book i).
- Tacitus, *Agricola.*
- Ovid, *Fasti* (selections).
- Vergil, *Aeneid* (books ix, xii).

Second Year

HISTORY. (11 a. m.) *Four hours weekly.*
- Civilization in the Far East. *Two hours.*
- Mediæval and Modern Europe. } *Two hours.*

ENGLISH LITERATURE. *Three hours weekly.*
- Outline History.
- Critical Study of Important Writers.
- Private Reading.

POLITICAL ECONOMY. (10 a. m.) *Four hours weekly.*
- Elements of Economics.
- Money; Banking.
- Economic History.
- Tariff; Transportation.

Students who have passed French or German as the principal subject in place of Greek for matriculation, must substitute some other four-hour course.

Third Year

CONSTITUTIONAL HISTORY. (12 m.) *Four hours weekly.*
- English Constitutional History. *Two hours.*
- American Constitutional History. *Two hours.*

Or

POLITICAL ECONOMY. *Four hours weekly.*
- Theory of Political Economy. *Two hours.*
- Modern Economic Institutions. *Two hours.*

*ELECTIVE COURSE. *Two hours weekly.*

LABORATORY COURSE. *Four hours class-work weekly.*
- Chemistry (9 a. m.), *or* Physics (10 a. m.), *or* Biology (10 a. m.). } Lectures, recitations, and laboratory work.

PHILOSOPHY. (11 a. m.) *Five hours weekly.*
- Logic, Psychology, and Ethics.

*For 1905-1906, elective courses are offered in the following subjects: Differential Equations, Zoology or Botany, Hebrew, Latin, Greek, German, French, Italian, Spanish, English Literature, Political Economy.

Fifth Group (*Latin-Mathematical*)

First Year

LATIN.

CLASS WORK. (9 a. m.) *Four hours weekly.*

Livy (two books).
Horace (selections).
Prose Composition.

PRIVATE READING:

Cæsar, *Bellum Civile* (book i).
Tacitus, *Agricola.*
Ovid, *Fasti* (selections).
Virgil, *Æneid* (books ix, xii).

RHETORIC AND ENGLISH COMPOSITION. (12 m.) *Three hours weekly.*

Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS. *Four hours weekly.*

Plane Analytic Geometry.
Differential and Integral Calculus.
Practical Exercises. (*Two hours weekly.*)

GERMAN: *Minor A.* (11 a. m.) *Four hours weekly.*

Classics: Schiller; Goethe.
Prose Reading: Seidel; Baumbach.
Composition. Private Reading.

Or

*FRENCH: *Minor A. Four hours weekly.*

Modern Prose and Poetry.
Selected Classics.
Composition. Private Reading.

Second Year

LABORATORY COURSE. *Four hours class-work weekly.*

Chemistry (9 a. m.), *or* Physics (10 a. m.), *or* Biology (10 a. m.). } Lectures, recitations, and laboratory work.

ENGLISH LITERATURE. *Three hours weekly.*

Outline History.
Critical Study of Important Writers.
Private Reading.

MATHEMATICS. (9 a. m.) *Four hours weekly.*

Determinants.
Differential and Integral Calculus (special topics).
Theory of Equations.
Elements of Projective Geometry.
Analytic Geometry of Three Dimensions.
Practical Exercises. (*Two hours weekly.*

Students who have passed French or German as the principal subject in place of Greek for matriculation, must substitute some other four-hour course.

Third Year

LATIN.

CLASS WORK. (9 a. m.) *Four hours weekly.*

Catullus.
Roman Elegy (selections).
Plautus (one play).
Terence (one play).
Reading at Sight.
Prose Composition.

PRIVATE READING:

Quintilian (book x).
Plautus, *Miles Gloriosus.*

PHILOSOPHY. (11 a. m.) *Five hours weekly.*

Logic, Psychology, and Ethics.

HISTORY AND ECONOMICS. (10 a. m.) *Four hours weekly.*

Historical Politics. *Two hours.*
Elements of Economics. } *Two hours.*
Applied Economics. }

†ELECTIVE COURSE. *Two hours weekly.*

*The French may be deferred until the second year by substituting, with the approval of the Adviser, Minor English for English Literature.

†For 1905–1906, elective courses are offered in the following subjects: Differential Equations, Zoology or Botany, Hebrew, Latin, Greek, German, French, Italian, Spanish, English Literature, Political Economy.

SYNOPSIS OF GROUPS

Group I	Group II	Group III	Group IV	Group V	Group VI	Group VII
FIRST YEAR						
Latin, 9-10. German, 11-12. Rhetoric, 12-1. Greek, 1-2.	Chemistry, 9-10. German, 11-12, or †French. Rhetoric, 12-1. Mathematics.	Chemistry, 9-10. Physics, 10-11. German, 11-12, or French. Rhetoric, 12-1.	Chemistry, 9-10. Physics, 10-11. German, 11-12, or French. Rhetoric, 12-1.	Latin, 9-10. German, 11-12, or †French. Rhetoric, 12-1. Mathematics.	Latin, 9-10. History, 10-11. German, 11-12, or French. Rhetoric, 12-1.	Latin, 9-10. Chemistry, 9-10,* or Biology or Physics. } 10-11. German, 11-12, or French. Rhetoric, 12-1.
SECOND YEAR						
Latin, 9-10. Chemistry, 9-10,* or Biology or Physics } 10-11. Greek, 12-1. English Literature.	Mathematics, 9-10. Physics, 10-11. English Literature. A four-hour Course.	Chemistry, 9-10. Biology, 10-11. English Literature. A four-hour Course.	Biology, 10-11. Geology, 12-1. English Literature. A four-hour Course.	Mathematics, 9-10. Chemistry, 9-10, or Biology or Physics. } 10-11. English Literature. A four-hour Course.	Political Economy, 10-11. History, 11-12. English Literature. A four-hour Course.	History and Economics, 10-11. German, 11-12. French, 12-1. English, 1-2.
THIRD YEAR						
History and Economics, 10-11. Philosophy, 11-12. French, 12-1. Comp. Philology. Elective Course.	History and Economics, 10-11. Philosophy, 11-12. Physics, 12-1. Elective Course.	Biology, 9-10. History and Economics, 10-11. Philosophy, 11-12. Elective Course.	History and Economics, 10-11. Philosophy, 11-12. Geology, 9-10. Zoology or Botany (*elective*).	Latin, 9-10. History and Economics, 10-11. Philosophy, 11-12. Elective Course.	Chemistry, 9-10, or Physics or Biology. } 10-11. Philosophy, 11-12. Constitutional History, 12-1, or Political Economy. Elective Course.	Italian or Spanish. } 9-10. Philosophy, 11-12. English, 12-1. Elective Course.

*See footnotes on pages 178, 184.
†See footnotes on pages 179, 182.

Seventh Group (*Modern Languages*)

First Year

LABORATORY COURSE. *Four hours class-work weekly.*

*Chemistry (9 a. m.), *or* Physics (10 a. m.), *or* Biology (10 a. m.). } Lectures, recitations, and laboratory work.

GERMAN: *Minor A.* (11 a. m.) *Four hours weekly.*

Classics: Schiller; Goethe.
Prose Reading: Seidel; Baumbach.
Composition. Private Reading.

Or

FRENCH: *Minor A.* *Four hours weekly.*

Modern Prose and Poetry.
Selected Classics.
Composition. Private Reading.

LATIN. (9 a. m.) *Four hours weekly.*

Livy (two books).
Horace (selections).
Prose Composition.
Private Reading: Cæsar, *Bellum Civile* (book i); Tacitus, *Agricola*; Ovid, *Fasti* (selections); Vergil, *Aeneid* (books ix, xii).

RHETORIC AND ENGLISH COMPOSITION. (12 m.) *Three hours weekly.*

Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

Second Year

ENGLISH. (1 p. m.) *Four hours weekly.*

Early English Texts.
English Literature.

FRENCH. (12 m.) *Four hours weekly.*

Nineteenth Century Prose.
Classics.
History of French Literature.
Composition and Idioms.
Exercises in Pronunciation, Recitation, and Conversation; Private Reading.

HISTORY AND ECONOMICS. (10 a. m.) *Four hours weekly.*

Historical Politics. *Two hours.*
Elements of Economics. } *Two hours.*
Applied Economics. }

GERMAN. (11 a. m.) *Four hours weekly.*

Classics: Goethe, *Faust*; Schiller, *Wallensteins Lager*, *Piccolomini*.
Selected Poems.
History of German Literature.
Composition and Grammar.
Private Reading: Schiller, *Wallensteins Tod*.

Third Year

A

SPANISH. (9 a. m.) *Four hours weekly.*

Hills and Ford, *Spanish Grammar*. Exercises in Composition.
Isla, *Gil Blas*; Alarcón, *El Capitán Veneno*; Galdós, *Marianela*; Echegaray, *El Gran Galeoto*; Cervántes, *Don Quijote*; Tirso, *Don Gil de las calzas verdes*.
Butler Clarke's *History of Spanish Literature*.

PHILOSOPHY. (11 a. m.) *Five hours weekly.*

Logic, Psychology, and Ethics.

Or B

ITALIAN. (9 a. m.) *Four hours weekly.*

Grammar and Exercises in Pronunciation.
Reading of Modern Prose Authors.
History of Literature.
Composition.

ENGLISH. (12 m.) *Four hours weekly.*

Anglo-Saxon.
Early Scottish Poets.
Elizabethan Literature.
Literature of the XVIII Century.

† ELECTIVE COURSE. *Two hours weekly.*

*If Chemistry be chosen, it may be taken in the second year, and Minor History in the first year.

† For 1905-06, elective courses are offered in the following subjects: Differential Equations, Zoology, or Botany, Hebrew, Latin, Greek, German, French, Italian, Spanish, English Literature, Political Economy.

REQUISITES FOR THE DEGREE OF BACHELOR OF ARTS

As an evidence that the collegiate course has been successfully completed, the degree of Bachelor of Arts is conferred at its close. The degree signifies, in the case of every recipient, such instruction in ancient and modern languages, in mathematics, in the physical and natural sciences, in literature, philosophy, and history, as is believed to be essential to a liberal education. The candidate must, in addition to all the requirements for admission and matriculation, absolve—

(*a*) The following prescribed courses: Rhetoric; English Literature; Economics and History; Philosophy; the minor course* in French and the minor in German; exercises in English Composition, as prescribed by the Collegiate Professor of English; Drawing; Physical and Vocal Culture.

(*b*) Five courses, each occupying four hours weekly for one year, of which at least one must be a major course, and at least one must be a laboratory course†; also an elective course, two hours weekly during the third year.

In all cases, the candidate must pursue the last year of his undergraduate course in this institution, and must have completed his matriculation before entering upon that year, unless for special reasons, the Board of Advisers shall have permitted a postponement of some portion of the matriculation requirements. Such special reasons must, in all ordinary cases, be submitted to the Board not later than the close of the year preceding the last; and in no case will they be considered later than October of the last year.

Each instructor files in the office, about the time of the winter and spring recesses and at the close of the year, a report of the progress of each member of his classes, deduced from daily observation, or examinations, or both. These reports are called the Intermediate Records. Other reports (*e. g.* of private readings,

*A "minor course" is the first year of instruction in any subject; a "major course" is the second year of instruction.

† If the major course selected be a laboratory course, an additional laboratory course will not be required.

or of the completion of a particular book or subject) may be made by the instructor at any time.

At the close of the year, the university holds an examination of each class on the whole year's work, known as the University Examination, the reports of which are also put on file in the office.

From the Intermediate Records and the reports of the University Examination, there is made up an average mark, on the authorized scale, for the work of the whole year, which alone determines the standing of any candidate for honors. This constitutes the Final Record.

The reports of all these examinations are carefully recorded and preserved, and the degree of Bachelor of Arts is conferred when the records show that the prescribed amount of work has been satisfactorily completed.

Regular attendance upon the prescribed exercises is required. Satisfactory certificates must be presented from the teachers of drawing, physical training, and vocal culture. One or more of the essays which the candidate has written, copied by his own hand in a prescribed style, must be left with the Registrar before the twenty-fifth of May preceding graduation, for presentation to the Board of Collegiate Advisers.

No uniform length of residence is prescribed as necessary to the attainment of the bachelor's degree. Students who fully meet, at entrance, the requirements for matriculation (see pages 191–194) and who maintain a satisfactory standing in the full work of each year, may be graduated in three years. Other students will require four years. But a young man who comes with attainments beyond what are required for matriculation, or who possesses unusual ability, may complete the work in less than three years. No one is kept back by the requirements of the ordinary class system.

ADVISERS

Before an undergraduate student begins his academic work, the President designates one of his principal instructors to act as his Adviser. The approval of the Adviser is necessary before the student can enter upon any course of study; no instructor will receive into a class any student who does not bring with him (in a book provided for that purpose) assurance that his Adviser approves his pursuing the study at that time; and no student is allowed, without the consent of his Adviser, to discontinue any work. Each Adviser endeavors to establish relations of friendliness and confidence with the students assigned to his care; he not only gives counsel in regard to the selection of studies, but promotes the welfare of his students in every practicable way.

REQUIREMENTS FOR ADMISSION

Those who wish to pursue undergraduate courses are expected to appear at the regular times appointed for examination in June and September. Persons at a distance desiring information are requested to write for a blank form of "Application for Admission," which may be filled up and returned to the university. Upon its receipt, such counsel will be given as the case requires.

(*a*) Matriculated Students

Students who fully meet, at entrance, the requirements for matriculation (pages 191–194), and who maintain a satisfactory standing in the full work of each year, may be graduated in three years.

Students who fail to meet, at entrance, the full matriculation requirements, or whose work, after admission, is unsatisfactory, will need a longer period of residence.

The matriculation examination may be divided, and a part of the subjects passed in one year and the rest a year later, according to the regulations prescribed below (page 194).

When a school, approved by the Academic Council, shall certify that a candidate has satisfactorily completed *all the studies requisite for matriculation*, such candidate will be exempted from examination, except in the following subjects: Trigonometry, Analytic Geometry, Cicero or Vergil (as the candidate may prefer), Latin Prose Composition, Homer or Herodotus (as the candidate may prefer), Greek Prose Composition, the minor courses in French and German, English, and Science. The examination in these subjects may be divided between June and September of the same year, but, except in the case of English, not between successive years.

(*b*) Candidates for Matriculation

The matriculation examination may be passed, at entrance, by those who have completed the courses now offered in several preparatory schools of Baltimore. Persons taught elsewhere are often unable to obtain instruction in all the subjects requisite for matriculation. To meet the needs of such students, terms of admission are offered (page 195), corresponding to the terms of admission to other colleges of established reputation. Students who satisfy these requirements may be admitted to the course of study described on page 173. In the case of such persons, a residence of four years will be necessary to the attainment of the degree of Bachelor of Arts.

(*c*) Special Students

The university discourages from entering as special students those who are not qualified, by age, character, attainments, and habits of study, to attend its classes and lectures with profit to themselves and credit to the institution. The authorities are, however, ready to receive, as special students, properly qualified persons who have some good reason for not pursuing the full course. A special examination is arranged for such persons (page 196). Many excellent students have been thus enrolled, among whom not a few have subsequently changed their plans, passed the matriculation examination, and at length received the

degree of Bachelor of Arts. The privilege once accorded will be forfeited at any time, if the student is found unworthy of it.

Requirements for Matriculation

1. *Mathematics.*—Algebra; Plane and Solid Geometry; Plane Trigonometry; Analytic Geometry. A competent knowledge of Arithmetic, including the metric system, is assumed.

The requirements in Algebra are as follows:

(*A*). To Quadratics, including the four fundamental rules, the use of parentheses, factoring, highest common factor, lowest common multiple, complex fractions, equations of the first degree in one or more unknown quantities, and problems leading to such equations, inequalities, radicals, and the use of fractional and negative exponents.

(*B*). Quadratics and beyond, including quadratic equations in one and two unknown quantities, and problems leading to such equations, the theory of quadratic equations in one unknown quantity, ratio and proportion, the progressions, the elementary treatment of permutations and combinations, the binomial theorem for positive integral exponents, and the use of logarithms.

The subjects required in Plane and Solid Geometry and in Trigonometry are those treated in the ordinary text-books.

The subjects required in Analytic Geometry are the straight line in rectangular co-ordinates, transformation of co-ordinates, loci, and plotting of curves.

Substitutions: Students selecting groups which do not include Minor Mathematics or Minor Physics may, in case they offer Greek for matriculation, substitute the elements of either German or French (*4a* or *5a*, page 192) for Analytic Geometry; or the elements of both German and French for Plane Trigonometry and Analytic Geometry.

Students selecting groups which do not include Minor Mathematics or Minor Physics, may, in case they offer—in place of Greek—German and French (*4a* and *4b*, or *5a* and *5b*, page 192) for matriculation, substitute for Plane Trigonometry and Analytic Geometry (*a*) the Minor Course in Latin, or (*b*) the Minor Course in French or in German.

2. *Latin.*—Cæsar, *Gallic War*, five books; Vergil, *Eclogues*, and *Aeneid*, six books; Ovid, 2500 lines; Cicero, seven orations (including *de imperio Pompeii*, *pro Archia*, and *in Verrem*, *actio I*); translation of easy English prose into Latin.

Substitution: Sallust's *Catiline* may be substituted for one book of Cæsar, and Cicero's *de Senectute* for the *de imperio Pompeii*.

The examination will test the power of exact and idiomatic translation, the knowledge of forms, of syntax, and of prosody. In certain cases a candidate may be allowed to take an oral, instead of a written, examination. If, for instance, he has not been prepared on the books above described, but has read about the same amount in other books, he may be examined on these.

The amount of text above stated should be sufficient to prepare the student to undergo an examination for which no attempt will be made to select a passage previously read.

Candidates are required to specify, in their applications, the books they have read.

3. *Greek.*—Xenophon, *Anabasis*, books i-iv; Homer, *Iliad*, books i-iv; Herodotus, book vii; translation of easy English prose into Greek.

Candidates will be expected to show an accurate knowledge of forms, and an acquaintance with the common rules of syntax and accent and with the prosody of the Homeric poems.

In case any candidate has made his preparation by the study of books other than those named above, or for any reason believes that an oral examination would be for his advantage, he may be examined upon easy passages previously unseen; if he acquits himself well, he will be required to put on paper only the passage given to be translated into Greek prose.

4, 5. *German and French.*—Candidates not offering Greek must offer one of the following combinations. In one of the modern languages the elements are required; in the other an amount of knowledge equal to that represented by the minor or first year's collegiate course:

4

(*a*) *German: Elements.*

The elementary course is intended to include translation and reading at sight of easy dialogue and narrative prose. The candidate must also be able to render into German short English sentences, taken from the language of everyday life, or based on the texts for translation.

Candidates should give particular attention to pronunciation, to the acquisition of an elememtary German vocabulary, and to an accurate knowledge of the rudiments of grammar.

The following books are recommended:

Vos, *Essentials of German;* Vos, *Materials for German Conversation*, pp. 1-35 (I-XLVIII); Storm, *Immensee;* Gerstäcker, *Germelshausen.*

(*b*) *French: Minor Course.*

Grammar: Fraser and Squair: *French Grammar and Reader* entire.

Translation into French of a passage of English prose based on a French text given.

5

(*a*) *French: Elements.*

Grammar: The rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plural of nouns, the inflection of adjectives, participles, and pronouns, the use of personal pronouns, common adverbs, prepositions, and conjunctions, the order of words in the sentence, and the elementary rules of syntax. Easy exercises in French Composition. *Part I* of the Fraser and Squair *French Grammar* is recommended as a text book.

Translation: Kuhns' *French Reader;* Labiche and Martin, *Le Voyage de M. Perrichon.*

(*b*) *German: Minor Course.*

Vos, *Essentials of German;* Vos, *Materials for German Conversation*, pp. 1-35 (I-XLVIII); Storm, *Immensee;* Gerstäcker, *Germelshausen;* von Wildenbruch, *Das Edle Blut;*

Translation: Kuhns' *French Reader;* Labiche: *Le Voyage de M. Perrichon;* About: *La Mère de la Marquise;* Dumas: *La Question d'Argent;* Augier: *Le Gendre de M. Poirier;* Daudet: *Contes* (ed. Cameron); Molière: *L'Avare;* Hugo: *Hernani.* von Moser, *Der Bibliothekar;* Riehl, *Der Fluch der Schönheit;* Schiller, *Wilhelm Tell;* Lessing, *Minna von Barnhelm;* Goethe, *Hermann und Dorothea;* Prose Composition (Whitney's *Grammar*, Exercises, 2nd Series).

The amount of German and French accepted as a substitute for Greek at matriculation may not count also as a part of the work required for graduation.

READING AT SIGHT. The language papers, both ancient and modern, will contain one passage, or more, of moderate difficulty, not included in the prescribed lists. A good handling of passages previously unseen will go far toward compensating for deficiencies in the formal requirements. This does not apply, however, to the examination in the *elements* of French and German.

6. *English.*—The examination will consist of two parts:

I. READING. The candidate will be required to write a paragraph or two on each of several topics chosen by him from a considerable number—perhaps ten or fifteen—set before him in the examination paper. This part of the examination is designed, primarily, to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. As additional evidence of preparation, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work.

In 1905: Shakespeare's *The Merchant of Venice* and *Julius Cæsar: The Sir Roger de Coverley Papers* in *The Spectator;* Goldsmith's *The Vicar of Wakefield;* Coleridge's *The Ancient Mariner;* Scott's *Ivanhoe;* Carlyle's *Essay on Burns;* Tennyson's *The Princess;* Lowell's *The Vision of Sir Launfal;* George Eliot's *Silas Marner.*

In 1906, 1907, and 1908: Shakespeare's *The Merchant of Venice* and *Macbeth; The Sir Roger de Coverley Papers* in *The Spectator;* Irving's *Life of Goldsmith;* Coleridge's *The Ancient Mariner;* Scott's *The Lady of the Lake* and *Ivanhoe;* Tennyson's *Gareth and Lynette, Lancelot and Elaine,* and *The Passing of Arthur;* Lowell's *The Vision of Sir Launfal;* George Eliot's *Silas Marner.*

II. STUDY AND PRACTICE. This part of the examination presupposes the careful study of each of the works named below. The examination will be upon subject-matter, form, and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy.

The books set for this part of the examination will be:

In 1905: Shakespeare's *Macbeth;* Milton's *L'Allegro, Il Penseroso, Comus,* and *Lycidas;* Burke's *Speech on Conciliation with America;* Macaulay's *Essays on Milton and Addison.*

In 1906, 1907, and 1908: Shakespeare's *Julius Cæsar;* Milton's *L'Allegro, Il Penseroso, Comus,* and *Lycidas;* Burke's *Speech on Conciliation with America;* Macaulay's *Essay on Milton* and *Life of Johnson.*

The reading and study of the works named above is recommended to all candidates; equivalents will, however, be accepted, provided that the amount of reading be about equally divided between prose and verse.

In connection with the reading and study of the required books, parallel or subsidiary reading should be encouraged, and a considerable amount of English poetry should be memorized. The essentials of English Grammar should not be neglected in preparatory study.

NOTE.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or division into paragraphs.

Although candidates will be permitted to take the entire examination at the time of entrance, it is strongly recommended that Part I be taken as a preliminary examination and Part II as a final examination. Candidates will thus have an opportunity to make up deficiencies which may be discovered at the preliminary examination, and to enter the university without a condition in English.

7. *History.*—The outlines of the History of England and the United States, or of the History of Greece and Rome, and the outlines of Geography.

8. *Science.*—The elements of Chemistry, Botany, or Physical Geography.

The examination is intended to determine whether the candidate has a knowledge of the elementary facts of one of these sciences, based on practical study. Those who take the examination in Chemistry will be examined in Remsen's "Elements of Chemistry," and will be required to have performed the experiments described in Remsen's "Laboratory Manual," and to present their laboratory note-books for examination. The requirements in Botany include a knowledge of the structure of plants, such as may be obtained from a study of Spaulding's "Introduction to Botany," excluding the microscopic work, and the ability to use Gray's Manual in determining the species of flowering plants. The examination will be mainly practical. In order to absolve the requirements in Physical Geography, the student must pass an examination on Davis's "Physical Geography," or Tarr's "Elementary Physical Geography."

Division of the Matriculation Examination

A student may pass a part of the matriculation examination one year before his admission to the university, and receive credit for the same under the following conditions:

In his application for admission *he must distinctly declare his intention to divide the examination.* The subjects passed will not count towards matriculation, unless the candidate completes his matriculation the following year. The first part of the divided examination will be confined to the following subjects, of which the candidate will be expected to pass in English (part I), Algebra, one Latin author, and three of the remaining subjects:*

English (Part I).
Algebra (A).

*Schools approved by the Academic Council, according to the plan described on page 190, may recommend, for examination in English (part I) and in Science, candidates who do not wish to attempt the other subjects required in the first part of the divided examination.

Plane Geometry.
Cæsar, *Gallic War*, five books.
Vergil, *Aeneid*, books i-vi.
Xenophon, or French, or German.
History of the United States or of Greece.
History of England or of Rome.
Science.

If French or German is offered in place of Greek, the candidate will be examined as follows:

In *German:* Vos, *Essentials of German;* Vos, *Materials for German Conversation*, pp. 1–35 (I–XLVIII); Storm, *Immensee;* Gerstäcker, *Germelshausen;* von Wildenbruch, *Das Edle Blut;* von Moser, *Der Bibliothekar;* Riehl, *Der Fluch der Schönheit;* Prose Composition, sentences of moderate difficulty to be translated into German at sight.

Or in *French:* The Fraser and Squair *French Grammar, Part I*, with the exercises; Kuhns' *French Reader;* About, Augier, Dumas (as on page 193); Prose Composition, sentences of moderate difficulty to be translated into French at sight.

The whole of the above amounts must be offered.

Requirements for Admission as a Candidate for Matriculation

1. *Mathematics.*—Algebra (A and B); Plane Geometry (as for matriculation). A competent knowledge of Arithmetic, including the metric system, is assumed.
2. *Latin.*—Cæsar, *Gallic War*, five books; Ovid, 1000 lines; Vergil, *Aeneid*, books i–vi; Cicero, six orations; translation of easy English prose into Latin.
3. *Greek.*—Xenophon, *Anabasis*, books i–iv; Homer, *Iliad*, books i–iii; translation of easy English sentences into Greek.
4. *German* and *French* (in substitution for *Greek*):
   GERMAN.—Vos, *Essentials of German;* Vos, *Materials for German Conversation*, pp. 1–35 (I–XLVIII); Storm, *Immensee;* Gerstäcker, *Germelshausen.*
   FRENCH.—The Fraser and Squair *French Grammar, Part I;* Kuhns' *French Reader;* Labiche and Martin, *Le Voyage de M. Perrichon.*
5. *English,*—(as for matriculation).
6. *History,*—(as for matriculation).
7. *Science,*—(as for matriculation).

Requirements for Admission as a Special Student

Before an undergraduate is admitted as a special student, he will be required, unless expressly excused for definite reasons, to pass examinations in the following subjects:

1. *Mathematics.*—Algebra (A and B); Plane and Solid Geometry (as for matriculation). A competent knowledge of Arithmetic, including the metric system, is assumed.

2. *Latin.*—Cæsar, *Gallic War*, five books; Cicero, six orations; Vergil, *Aeneid*, books i–vi, and *Eclogues*.

SUBSTITUTION: Students who wish to pursue studies other than linguistic or historical, may substitute for the requirement in Latin the full amount of Mathematics requisite for matriculation (page 191).

3. *Greek.*—Xenophon, *Anabasis*, books i–iv; Homer, *Iliad*, books i, ii.

SUBSTITUTION: Students who do not offer Greek, will be examined in French or German as specified under "Division of the Matriculation Examination (page 194), and in the History of Greece and Rome.

4. *English*,—(as for matriculation).

5. *United States History*,—(as for matriculation).

6. *Science*,—(as for matriculation).

Schedule of Matriculation Examinations, 1905

Wednesday, June 14 *and September* 27.

9–10 a. m.—History.
10–11 a. m.—Science.
11 a. m.–1 p. m.—English.
3–6 p. m.—Latin.

Thursday, June 15 *and September* 28.

9–11 a. m.—Arithmetic and Algebra.
11 a. m.–12 m.—French and German (*elements*).
3–6 p. m.—Plane and Solid Geometry.

Friday, June 16 *and September* 29.

9–10.30 a. m.—Trigonometry.
10.30 a. m.–12 m.—Analytic Geometry.
3–6 p. m.—Greek.
3–6 p. m.—French and German (minor courses).
3–4 p. m.—French (*elements*).

II. FACULTY OF MEDICINE

Terms of Admission

The courses in medicine given in this university are planned for the professional education of those students who have been especially fitted to receive instruction by a course of preliminary training in the liberal arts, and especially in those branches of science, like physics, chemistry and biology, which underlie the medical sciences. Men and women are admitted upon the same terms.

The following classes of students are received as candidates for the degree of Doctor of Medicine:

1. Those who have completed the chemical-biological course in this university leading to the degree of Bachelor of Arts.

2. Graduates of approved colleges or scientific schools who can furnish evidence: (*a*) That they have acquaintance with Latin and a reading knowledge of French and German; (*b*) That they have such knowledge of physics, chemistry, and biology as is imparted by the regular minor courses given in these subjects in this university.

The phrase "a minor course," as here employed, means a course that requires a year for its completion.

Many inquiries have been received regarding the character and amount of the requisite training indicated by the term "minor course" in these sciences. In explanation it may be stated, with respect to biology, that the candidate should have followed for at least a year a laboratory course in the structure, life-history, and vital activities of selected types of animal and vegetable life. In the Chemical-Biological course for undergraduates in this university, the laboratory work (nine hours a week) in biology (minor course) includes the study of such types as amœba, hæmatococcus, yeast, penicilium, bacteria, mushroom, hydra, fern, flowering plant, earthworm, lobster; the gross and minute anatomy of the frog, the development of its eggs, the structure, formation, and metamorphoses of the tadpole; dissec-

tion of a mammal. The laboratory work is the more important part; the lectures and other exercises are subsidiary. It is, of course, not to be understood that this curriculum of biological work must be rigidly followed. Equivalent work will be accepted.

The candidate should have followed a course in general chemistry for at least a year. This course should include laboratory work, about five hours a week through the year, and lectures and class-room work covering the outlines of inorganic chemistry and the elements of organic chemistry. A good knowledge of the subject as presented in Remsen's "Introduction to the Study of Chemistry" may be regarded as the minimum requirement. A fuller knowledge of chemistry is desirable.

In physics, the candidate should have followed a collegiate course for at least one year. This should include four hours a week of class-room work and at least one afternoon a week of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to the mechanical and electrical experiments.

In Latin the candidate should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Cæsar or their equivalent.

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school, and the knowledge of French, German, Latin, physics, chemistry, and biology above indicated.

Applicants for admission will receive blanks to be filled out relating to their previous courses of study. They are required to furnish certificates from officers of the colleges or scientific schools where they have studied, as to the courses pursued in physics, chemistry, and biology. If such certificates are satisfactory, no examination in these subjects will be required from those who possess a degree in arts or in science from an approved college or scientific school.

Hearers and special workers, not candidates for a degree, will be received at the discretion of the Faculty.

ADMISSION TO ADVANCED STANDING

Applicants for admission to advanced standing must furnish evidence (1) that the foregoing terms of admission as regards preliminary training have been fulfilled, (2) that courses equiva-

lent in kind and amount to those given here, preceding that year of the course for admission to which application is made, have been satisfactorily completed, and, (3) must pass examinations, at the beginning of the session in October, in all the subjects that have been already pursued by the class to which admission is sought. Certificates of standing elsewhere cannot be accepted in place of these examinations.

General Plan of Instruction

The course of instruction is planned for those who have received a liberal education and the training in physics, chemistry, and general biology which has been specified. The required period of study for the degree of Doctor of Medicine is four years. The academic year begins on the first of October and ends about the middle of June. There are short recesses at Christmas and Easter.

The first two years of the course are devoted mainly to the fundamental medical sciences, a large part of the time being spent in practical work in the laboratories. In the last two years, medicine, surgery, obstetrics, and the various specialties are studied in the clinical laboratories, the dispensary, and the wards of the hospital.

The principal studies of the first year are anatomy, including normal histology, microscopic anatomy, embryology, physiology, and physiological chemistry. The study of anatomy and physiology is continued in the second year. Throughout the second year general pathology, pathological anatomy, and pharmacology are studied. A practical course in bacteriology, with the chief emphasis upon its hygienic and pathological bearings, is given during three months of this year.

Upon the basis of thorough training in the medical sciences, pursued during the first two years of the course, the student should be well fitted to undertake the study of practical medicine and surgery.

During the third year the general principles of medicine, surgery, and obstetrics are studied, and clinical instruction in

medicine and surgery is given. The study of certain special branches of medicine is also begun. Leading features of the work of this year are the courses in the clinical laboratories and practical work in the dispensary.

During the fourth year the practical study of medicine, surgery, and obstetrics is continued, and instruction is given in gynecology and in the various special branches of medicine and surgery, viz: dermatology, diseases of the nervous system, genito-urinary diseases, orthopedic surgery, laryngology and rhinology, ophthalmology and otology, pediatrics, and psychiatry. In this year the students serve as clinical clerks and surgical dressers in the wards of the hospital and are in daily attendance at special classes in the dispensary. They also attend cases of labor in the obstetrical wards of the hospital, and, under proper supervision, in the homes of the patients. For the ward and dispensary work the class is divided into small groups.

Instruction in hygiene, medical zoology, forensic medicine, and medical history is provided during the course.

Work in the dissecting room, in the laboratory, and at the bedside, demonstrations, clinics, lectures, and recitations are the main features of the methods of instruction. Simple didactic lectures occupy a subsidiary position, as compared with instruction by recitations and demonstrations and especially by practical work in the various laboratories, in the hospital wards, and in the dispensary. In consequence of the high standard of admission, the classes are not likely to be excessively large, and abundant opportunity is therefore afforded for practical work for each student and for personal contact between teacher and student.

Courses for Graduates in Medicine

Courses of instruction for graduates in medicine are given throughout the year. These courses are in Anatomy, Histology and Organology, Pathology, Bacteriology, Pharmacology and Toxicology, Physiology, Neurology, Neurological Technique, Embryology, Physiological Chemistry, Clinical Microscopy, Medi-

cine, Pediatrics, Obstetrics, Gynecological Pathology, Surgical Pathology, Operative Surgery, Orthopedic Surgery, Genito-Urinary Surgery, X-Ray Diagnosis and Therapeutics, Cystoscopy, and Ophthalmology and Otology. The instruction is intended to meet the requirements of practitioners of medicine, and is almost wholly of a practical character. It includes laboratory courses, demonstrations, bedside teaching, and clinics in the wards, dispensary, amphitheatre, and operating rooms of the hospital.

Detailed statements as to the courses of instruction and other information are given in the annual Catalogue and Announcement, which will be sent upon application to the Registrar of the Medical Department.

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THE JOHNSTON SCHOLARSHIPS

These scholarships, of which there are three, known as the Henry E. Johnston, the James Buchanan Johnston, and the Henry E. Johnston, Jr., Scholarships, were founded by Mrs. Harriet Lane Johnston, of Washington, formerly of Baltimore, in memory of her husband and her two sons. They are awarded annually by the Trustees on the recommendation of the Academic Council. The stipend of each scholarship is the income of thirty thousand dollars. They are offered primarily to young men who have given evidence of the power of independent research. The holders of the scholarships will be expected to devote themselves to study and to research in their chosen subjects, though they may be required to do some teaching. Each one will be designated as "Holder of the . . . . . Johnston Scholarship."

Regulations

Candidates for the Johnston Scholarships must make application, in writing, to the President of the Johns Hopkins University before the first of May. The applications must be accompanied by such evidence of the candidates' fitness as they may be able to present. The President will refer the papers to the Academic Council, by whom the nominations will be made to the Board of Trustees at their meeting in June.

Holders of the scholarships may not engage in teaching elsewhere.

The scholars will be appointed for one year, but, if their work should prove satisfactory, they will generally be reappointed.

FELLOWSHIPS

Fellowships by Courtesy

The Academic Council may, at their discretion, by special vote, enrol as Fellows by Courtesy—

(*a*) Gentlemen who are or who have been teachers in colleges and other like institutions, and who wish, for brief periods, to avail themselves of the opportunities here afforded for study and for the use of books and laboratories.

(*b*) Holders of fellowships in other colleges, during their residence here.

(*c*) Those who have been fellows of this university and desire to continue in residence.

Fellows by Courtesy will not be exempt from the payment of fees, except by a special vote.

University Fellowships

Twenty fellowships, each yielding five hundred dollars but not exempting the holder from the charges for tuition, are annually awarded.

The system of fellowships was instituted for the purpose of affording to young men of talent from any place an opportunity of continuing their studies in the Johns Hopkins University, while looking forward to positions as professors, teachers, and investigators, or to other literary and scientific vocations. The fellowships are given to young men who wish to follow systematically through the year the instructions of the teachers here engaged, and those who are appointed are expected to proceed to the degree of Doctor of Philosophy. The appointments are not made as rewards for good work already done, but as aids and incentives to good work in the future; in other words, the fellowships are not so much honors and prizes bestowed for past achievements, as helps to further progress and stepping-stones

to honorable intellectual careers. They are not offered to those who are definitely looking forward to the practice of any one of the three learned professions (though such persons are not formally excluded from the competition), but are bestowed almost exclusively on young men desirous of becoming teachers of science and literature, or of devoting their lives to special branches of learning which lie outside of the ordinary studies of the lawyer, the physician, and the minister.

Each candidate is expected to submit his college diploma or other certificate of proficiency from the institution where he has been taught, with recommendations from those who are qualified to speak of his character and attainments. But this is only introductory. He must also submit, orally or in writing, such evidence of his past success in study and of his plans for the future, together with such examples of his literary or scientific work, as will enable the professors to judge of his fitness for the post. The examination, is, indeed, in a certain sense competitive; but not with uniform tests, nor by formal questions submitted to the candidates. First, the head of a given department considers, with such counsel as he may command, the applicant's record. The professors then collectively deliberate on the nominations made by individual members of their body. The list upon which they agree, with the reasons for it, is finally submitted by the President of the University to the Executive Committee, and by them to the Trustees for final registration and appointment. By all these precautions the highest results which were anticipated have been secured. A company of most promising students has been brought together, and their ability as teachers and scholars has been recognized by the calls they have received to permanent and desirable posts in various parts of the country.

The number of applications for fellowships has hitherto been very large, and it may have happened that some candidates have failed of appointment who were really superior to those selected. But, if so, this has resulted from the fact that a considerable number of applicants have each year forwarded to the university merely testimonials from their instructors, without examples of

their own work ; and, in consequence, the professors, from want of adequate knowledge have possibly passed over candidates who may have been in the highest degree meritorious.

The applicants are notified of the result by means of a printed list of the successful candidates.

The absence of candidates from Baltimore has been no bar to their appointment, in cases where adequate evidence of their claims has been presented ; but it is obvious, from the nature of the case, that graduate students residing in Baltimore must have better opportunities than others of making their powers known to the appointing board, and during the last few years the number of persons appointed, who had not previously been resident here, is very small.

REGULATIONS

1. The application must be made prior to May 1, in writing, addressed to the President of the University, and he will refer the papers to the Academic Council, by whom the nominations will be made to the Board of Trustees, at their meeting in June. There is no prescribed form of application.

2. The candidate must give evidence of a liberal education, such as the diploma of a college of good repute ; of decided proclivity towards a special line of study, such as an example of some scientific or literary work already performed ; and of upright character, such as a testimonial from some instructor.

3. The value of each fellowship is five hundred dollars. The holder is not exempt from the charges for tuition. In case of resignation, promotion, or removal from the fellowship, payments will be made for the time during which the office shall have been actually held.

4. Every holder of a fellowship will be expected to perform such duties as may be allotted to him in connection with his course of study, to act when called upon as an examiner or as moderator in the examination room, to give all his influence for the promotion of scholarship and good order, and in general to co-operate in upholding the efficiency of the university, as circumstances may suggest. He must reside in Baltimore during the academic year.

5. He will be expected to devote his time to the prosecution of special studies (not professional), under the direction of the head of the department to which he belongs, and before the close of the year to give evidence of progress by the preparation of a thesis, the completion of a research, the delivery of a lecture, or by some other method.

6. He may give instruction, with the approval of the President, by lectures or otherwise, to persons connected with the university, but he may not engage in teaching elsewhere.

7. He may be reappointed at the end of the year, but only for exceptional reasons.

8. Usually not more than two fellows will be appointed in any department of study.

9. As these fellowships are awarded as honors, those who are disposed, for the benefit of others, or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the honor list.

Adam T. Bruce Fellowship

This fellowship was founded in 1887 by the mother of Adam T. Bruce, Ph. D., late Fellow and Instructor in this university, as a memorial of her son, and is awarded annually. It is bestowed by the appointing board upon the candidate whom they consider most likely to promote biological science, and especially animal morphology, by original research. The stipend is the income of the Adam T. Bruce Fellowship endowment of ten thousand dollars. Preference is given to those who have already held fellowships in the Johns Hopkins University.

The electors consist of the President of the university, the chief instructor in animal morphology, the chief instructor in animal physiology, and a non-resident member annually chosen by the resident electors.

Regulations

Candidates for the Bruce Fellowship must make application, in writing, to the President of the Johns Hopkins University before the first of May. They must forward to the President, at the same time, such evidence of their qualifications for appointment as they desire to be considered by the electors, who may require any candidate to appear before them in person.

The Bruce Fellow shall devote his time to study and research in biology at a place approved of by the President of the university, and he shall, during the month of February in the year of his tenure of the fellowship, send to the President a written statement of the scientific work accomplished by him since his appointment.

The tenure of the fellowship shall commence on the first of September.

Two hundred and fifty dollars shall be paid to the Fellow on October 1, and the remainder at convenient intervals during the tenure of the fellowship.

The holder shall not be more than thirty years of age at the date of his election.

The Bruce Fellow may be re-elected, but not oftener than twice, and he shall be exempt from charges for tuition.

The electors shall have the power to declare the fellowship vacant, if its holder prove, in their opinion, unworthy; and no further stipend shall be paid to such person.

William S. Rayner Fellowship

The Rayner Fellowship was founded by Mrs. Bertha Rayner Frank and Mr. Albert W. Rayner, of Baltimore, to perpetuate in this university the name of their father, Mr. William S. Rayner, who had made unusual attainments in the Hebrew language and was interested in the promotion of Semitic studies. The gift amounted to ten thousand dollars, and the income is available for a fellowship, which is bestowed annually by the Academic Council upon an advanced student in the department of Semitic Languages.

SCHOLARSHIPS

[Regulations approved by the Trustees April 3, 1899, on the recommendation of the Academic Council, the Board of University Studies, and the Board of Collegiate Advisers.]

University Scholarships

For the encouragement of scholarship among those who have taken the baccalaureate degree and wish to continue their studies here, a certain number of University Scholarships are annually bestowed, as stated below:

1. A number, not exceeding five, are awarded at the opening of the academic year, by the Board of University Studies, to young men who completed their undergraduate course in this university at the close of the preceding session and received honors at Commencement.*

2. Ten are open about the first of January to graduates of this or other institutions, who have been studying here during the previous part of the session. Those who wish to be candidates must make formal application to the President, stating where they have been previously trained and what studies they have pursued in this university. He will appoint a committee of five to consider the applications, and, with the aid of such evidence as may be obtained, to make nominations to the Board of University Studies.

3. These scholarships entitle the holders to free tuition and are tenable for one year. They do not carry exemption from laboratory fees.

4. They are awarded as honors, and those who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, or who are desirous of studying elsewhere, may do so and still have their names retained on the honor list. Those who receive the emolument will be expected to pursue their studies exclusively in this university.

5. The Board will reserve appointments, if worthy candidates do not offer.

* Beginning with the year 1906–07, no scholarships will be awarded in October, and the number offered in January will be increased to fifteen.

Hopkins Scholarships

In the will of the founder of the university, his Trustees are requested to "establish, from time to time, such number of free scholarships in said university as may be judicious, and to distribute the said scholarships among such candidates from the States of Maryland, Virginia, and North Carolina, as may be most deserving of choice, because of their character and intellectual promise, and to educate the young men so chosen free of charge."

Forty-five such scholarships, entitling the holders to free tuition, will be bestowed for the next academic year,—upon fifteen students from each of the three States named.

Students can be recognized as candidates only when actual residents of the State from which they desire to be appointed, during at least the year next preceding their enrolment in the university. If the appointing board is not sure as to the legal residence of any candidate, the point in question shall be determined by the Executive Committee of the Board of Trustees.

These scholarships are all bestowed for merit, and are tenable for the year subsequent to the appointment, the holders being re-eligible.

Successful candidates who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the honor list. The scholarships may be forfeited because of frequent or prolonged absence, defective scholarship, or unworthy conduct.

Scholarships made vacant by resignation, by forfeiture, or by the non-appearance of worthy candidates at the regular times of selection, may be bestowed by the appointing board, at their discretion, upon other candidates who are found worthy, provided that the principles of this foundation are not departed from.

Holders of scholarships are not exempt from laboratory fees.

Hopkins Scholars from Maryland

These scholars are appointed by the Board of Collegiate Advisers, in accordance with the following regulations. No one

will receive the honor whose standing as a whole is lower than "*good.*"

1. Five scholarships are open, at the beginning of the session, to those who have just completed their matriculation examination, and who stand best in a subsequent special examination in mathematics, Latin, and Greek (or French and German), as required for matriculation.

2. Five are awarded in June to those matriculated students whose records in the studies of the first year are most creditable.

By "studies of the first year" is meant either the studies laid down for the first year in one of the regular groups, or such other studies, covering fifteen hours of class-room work weekly, as may be approved of by the Adviser.

3. Five are awarded for excellence in the studies of the second year, upon the same terms as in the case of the first year; provided that the candidate shall have absolved the studies of the first year as above defined.

Hopkins Scholars from North Carolina and Virginia

Fifteen Hopkins Scholarships are awarded by the Academic Council to students from Virginia, and fifteen to students from North Carolina, who have already received a creditable baccalaureate degree or its equivalent. In case the entire number of scholarships are not required for graduate students, those that remain may be awarded to undergraduates, in the order of their merit. Applications, in writing, must be filed at the President's office prior to June 1.

Washington Scholarships

The Trustees offer to residents of the District of Columbia two scholarships, yielding free tuition. These, like the Hopkins Scholarships, are awarded to undergraduate students for merit, do not carry exemption from laboratory fees, and are tenable for one year, the holders being eligible for re-appointment.

Woodyear Scholarships

These scholarships were founded in 1893 by Mrs. William E. Woodyear, of Baltimore, as a memorial of her husband. They are five in number—of the value of one hundred dollars each—and are awarded annually for exceptional merit among those who need pecuniary assistance. They are offered primarily to undergraduates.

Maryland Scholarships

The university offers to young men of Maryland needing pecuniary assistance twenty undergraduate scholarships, — in addition to the fifteen Hopkins Scholarships annually awarded to residents of the State.

These scholarships entitle the holders to free tuition, but do not carry exemption from laboratory fees. They are for the benefit of all parts of the State, and, accordingly, not more than one-half the number will be awarded to residents of the city and county of Baltimore, and not more than one-half to those who are now members of the university. The appointing board consists of the President of the Board of Trustees, the President of the University, and the Dean of the Collegiate Department. The usual entrance examinations must be passed by the candidates. Application must be made in accordance with a prescribed form.

PRIZES

The John Marshall Prize

This prize was established in 1891 by a lady living in New England. It consists of a bronze replica of a likeness of Chief Justice Marshall, and is awarded annually by the Academic Council to that graduate of the Johns Hopkins University who has made within the year the most valuable contribution to historical or political science.

The Henrico Medallion

This prize is the gift (made in 1902) of the Colonial Dames of America, Chapter I, and consists of a copper medallion bas-relief commemorating the foundation of a university at Henrico, in Virginia, in the year 1619. It is bestowed annually upon a graduate or student of the Johns Hopkins University, not more than ten years after his receiving the degree of Bachelor of Arts, as a recognition of work of special excellence in early American History.

The Tocqueville Medal

The Tocqueville gold medal is annually given to the Johns Hopkins University by the Baron Pierre de Coubertin, of Paris, and is offered by the university to that student who shall have written the best essay on some subject illustrating any phase of French History, political or social, from 1815 to 1890, or a review of some important historical work published in France since 1890. The medal is given in honor of the illustrious Frenchman, Alexis de Tocqueville (1805-1859), author of the well-known historical and political studies, "Ancien Régime" and "Démocratie en Amérique."

The Sylvester Prize

The Sylvester Prize is the gift of several Baltimore gentlemen, and is offered to advanced students of mathematics as a reward for original research. It consists of a medallion likeness of Professor J. J. Sylvester, the first professor of mathematics in this university.

TUITION FEES AND EXPENSES

A

In the Philosophical Department

Tuition Fees

The charge for tuition is one hundred and fifty dollars per annum, payable at the Treasurer's office in semi-annual instalments, October 1 and February 1. There is no extra charge for instruction in any department of study, or for the use of the library and reading-room. A gymnasium fee of five dollars per annum is charged to every undergraduate during his residence in the university, and the money thus acquired is devoted to defraying the expenses of the University Athletic Association. Graduate students who use the gymnasium are also required to pay this fee. Fees are charged, as below stated, for registration, for material consumed in the laboratories, and for diplomas.

No deduction is made at the Treasurer's office because of absence for a period of less than half a year, or because a student gives only a part of his time to study, or because he belongs to but one class. Prompt payment of fees is required.

Registration Fee and Caution Money

Every student is required at entrance to pay a registration fee of five dollars and deposit ten dollars as caution money, the latter being repaid to him when he leaves the university, if there are no charges against him.

Fees for Limited Attendance

Persons engaged in other pursuits—such as clergymen, lawyers, physicians, teachers,—*who are able to give only a portion of their time to study and are not candidates for a degree,* are permitted to follow certain courses of lectures, not exceeding five weekly, or to work in a scientific laboratory, at such times as may be arranged with the Director thereof, without attendance

on lectures, on the payment, at entrance, of fifty dollars for the year, besides the registration fee and caution money. For a course of lectures not exceeding five weekly, with accompanying laboratory work, the fee is seventy-five dollars per annum, payable at entrance. Such persons are not regarded as members of the university, but are enrolled as "attendants upon lectures," and are entitled only to such privileges as they have paid for. Persons who desire to be so enrolled are required to make a special written application to the Registrar.

Laboratory Charges

In Chemistry: For undergraduates and for graduates who take Chemistry as a subordinate subject, twenty-four dollars a year; for graduates and special students following Chemistry as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Physics: For students who work two afternoons a week, twenty-four dollars a year; for those who take Physics as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Biology: For students who work one afternoon a week, twelve dollars a year; for undergraduates and for graduates who take Zoology or Physiology as a subordinate subject, twenty-four dollars a year; for graduates and special students following a biological science as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Geology: For graduates, ten dollars a year.

In all the laboratories, a charge is made for breakage and for apparatus not returned in good condition.

Fellows by Courtesy and others who have the privileges of guests in the various laboratories, are expected to pay the usual laboratory charges.

Doctors of Philosophy of this university who desire to remain for a time in the university after having received their diplomas, may do so without charge for tuition, but they are required to pay the usual laboratory charges.

Exception to the foregoing charges can be made only at the written request of the Director of a laboratory, approved by the President of the university.

Graduation Fees

The graduation fees are as follows, payable before the delivery of diplomas:

Doctor of Philosophy, ...	$10.00
Bachelor of Arts, ...	5.00

B

In the Medical Department

The charge for tuition is two hundred dollars per annum, payable in semi-annual instalments, October 1 and February 1. There are no extra charges for registration, for graduation, for instruction in any department, or for laboratory courses, except in special cases for materials consumed.

To a student who does not possess a microscope, there is an annual charge of five dollars for the use of one, with an additional charge of two dollars for the use of an oil-immersion lens. One dollar is charged for the rental of a dissecting microscope for one year. The student is responsible for damage to the microscope thus rented.

A deposit of ten dollars as caution money is required from each student at the time of his enrolment. The caution money is repaid to the student when he leaves, if there are no charges against him. Special charges are made for breakage and for damage to apparatus.

Payment of bills is made at the office of the Registrar in the physiological building, open from 9 a. m. to 5 p. m., or at the office of the Treasurer, on North Howard Street, between 9 a. m. and 4.15 p. m.

The fees required of graduates of medical colleges who desire to follow special courses in medicine, are stated in detail in the annual catalogue of the medical department.

Living Expenses

The university has no dormitories or other living accommodations. The students may find comfortable homes in the vicinity, —in boarding houses or with families. The price of board ranges from three dollars and a half a week upward, and rooms from one dollar and a half a week.

Lists of desirable places are kept by the Secretary of the university branch of the Young Men's Christian Association and by the Registrar of the medical department.

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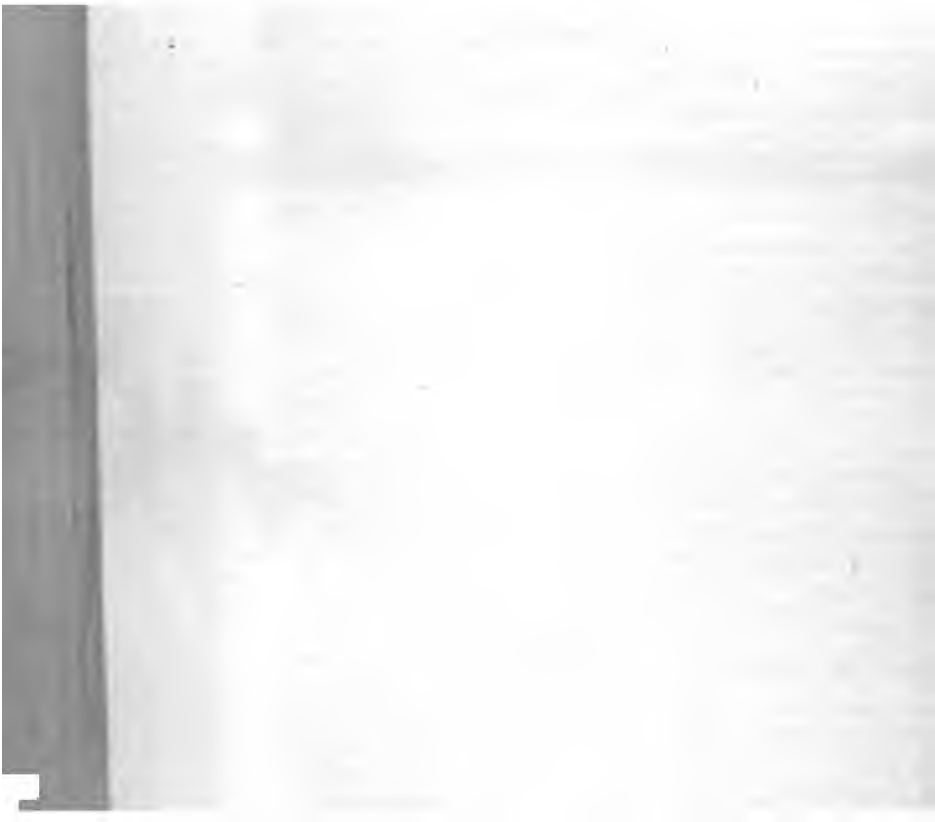

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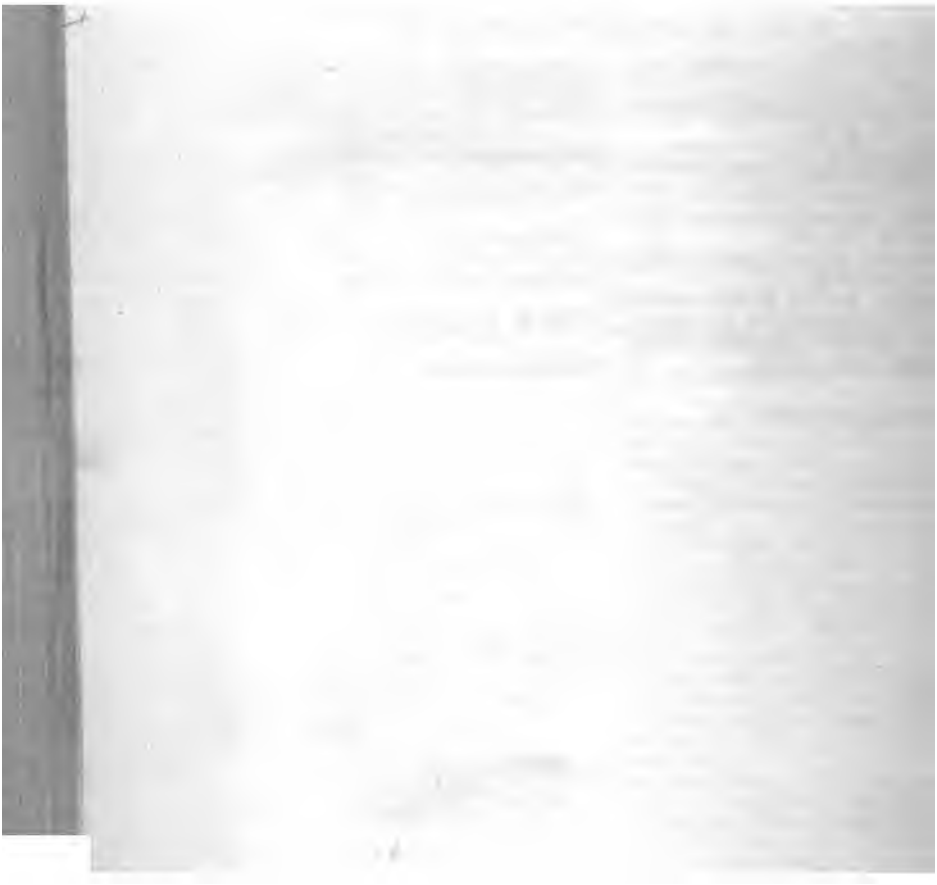

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A. B., Haverford College, 1866, and A. M., 1878; A. B., Harvard University, 1868; Ph. D. (Hon.), Princeton University, 1877; LL. D., Wake Forest College, 1891; *Editor of Modern Language Notes.*

18 E. Eager St.

WILLIAM S. HALSTED, M. D., LL. D., HON. F. R. C. S., *Professor of Surgery.*

A. B., Yale University, 1874; M. D., Columbia University (College of Physicians and Surgeons, N. Y.), 1877, and D. Sc., 1904; LL. D., Yale University, 1904, and University of Edinburgh, 1905; Honorary Fellow of the Royal College of Surgeons, London, 1900, and Edinburgh, 1905; formerly Attending Surgeon to the Presbyterian and Bellevue Hospitals, Associate Surgeon in Roosevelt Hospital, and Surgeon in Chief to the Emigrant Hospital, New York; *Surgeon in Chief to the Johns Hopkins Hospital.*

1201 Eutaw Place.

HARMON N. MORSE, PH. D., *Professor of Analytical Chemistry and Adjunct Director of the Chemical Laboratory.* The Cecil, N. Eutaw St.

A. B., Amherst College, 1873; Ph. D., University of Göttingen, 1875; Instructor in Chemistry, Amherst College, 1875-76.

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A. B., Haverford College, 1869; Ph. D., University of Leipsic, 1879; President of the American Folk-Lore Society, 1898.

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416 W. Hoffman St.

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GEORGE M. STRATTON, PH. D., *Professor of Experimental Psychology.*

A. B., University of California, 1888; A. M., Yale University, 1890; Ph. D., University of Leipsic, 1896; Fellow, University of California, 1890-92, Instructor, Assistant Professor, and Associate Professor of Psychology and Director of the Psychological Laboratory, 1892-04; *Co-operating Editor, Psychological Bulletin.* The Terraces, Mt. Washington.

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CALENDAR, 1906-07

The Autumn Examinations for Admission will begin Wednesday, September 26, 1906, at 9 a. m.

The instruction of all classes will begin on the first Tuesday in October,—October 2, 1906.

Thanksgiving Day will fall on Thursday, November 29, 1906.

The Christmas Recess will begin Friday evening, December 21, 1906. Exercises will be resumed Wednesday morning, January 2, 1907.

Commemoration Day will fall on Friday, February 22, 1907.

The Spring Recess will begin Thursday morning, March 28, 1907, and close Wednesday evening, April 3.

Commencement Day falls on the second Tuesday in June,—June 11, 1907.

REGISTER

OF

THE JOHNS HOPKINS UNIVERSITY

1905-1906

BALTIMORE
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1906

LECTURERS DURING THE YEAR 1905-06

On the Turnbull Foundation

HENRY VAN DYKE, D. D., LL. D., of Princeton University.
Six lectures on the *Service of Poetry*.

On the Herter Foundation

Professor HANS H. MEYER, PH. D., of the University of Vienna.
Two lectures on pharmacological and physiological topics.

History of Religions

Professor GEORGE W. KNOX, D. D., of the Union Theological Seminary, N. Y.
Six lectures on the *Religions of Japan*.

Before separate departments of the University

Geology

Professor CLEVELAND ABBE, PH. D., LL. D., of the United States Weather Bureau.
Meteorology.

LOUIS A. BAUER, PH. D., Director of the Department of Terrestrial Magnetism, Carnegie Institution.
Terrestrial Magnetism.

Professor JAMES F. KEMP, E. M., of Columbia University.
Ten lectures on the *Origin of Ore Deposits*.

German

THOMAS S. BAKER, PH. D., of the Jacob Tome Institute.
German Literature.

Greek

ARISTOGEITON M. SOHO, PH. D., of Baltimore.
Modern Greek.

Historical and Economic Science

JOHN M. GLENN, A. M., of Baltimore.
Ten lectures on *Problems of Relief*.

CLAYTON C. HALL, LL. B., A. M., of Baltimore.
Eight lectures on the *Theory and Applications of Insurance*.

JESSE S. REEVES, PH. D., of Richmond, Ind.
Ten lectures on *American Diplomatic History*. (Albert Shaw Lectureship.)

JAMES SCHOULER, LL. D., of Boston.
Four lectures on the *Fundamental Ideals of the American Republic*.

FACULTY

Arranged in the several groups in the order of appointment

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OLIVER L. FASSIG, PH. D., *Associate in Meteorology.* Bluemont, Va.
S. B., Ohio State University, 1882; Ph. D., Johns Hopkins University, 1899.

THOMAS MCCRAE, M. D., *Associate in Medicine and Clinical Therapeutics.*
A. B., University of Toronto, 1891, M. B., 1895, and M. D., 1903; M. R. C. S. (London), 1900; *Associate in Medicine, the Johns Hopkins Hospital.*
807 St. Paul St.

CASWELL GRAVE, PH. D., *Associate in Zoology.* 218 E. Twenty-third St.
S. B., Earlham College, 1895; Fellow, Johns Hopkins University, 1898-99, Ph. D., 1899, and Bruce Fellow, 1900-01; Director of Research, Fisheries Laboratory, Beaufort, N. C.

GUY L. HUNNER, M. D., *Associate in Gynecology.* 1420 Eutaw Place.
S. B., University of Wisconsin, 1893; M. D., Johns Hopkins University, 1897.

SAMUEL AMBERG, M. D., *Associate in Pediatrics.* 1220 Linden Av.
M. D., University of Heidelberg, 1898; *Clinical Assistant in Pediatrics, the Johns Hopkins Dispensary.*

MURRAY P. BRUSH, PH. D., *Associate in French.* 20 E. Preston St.
A. B., Princeton University, 1894; Ph. D., Johns Hopkins University, 1898; Instructor in Ohio State University, 1898-99.

CHARLES P. EMERSON, M. D., *Associate in Medicine.*

A. B., Amherst College, 1894; M. D., Johns Hopkins University, 1899; *Assistant Resident Physician in charge of the Clinical Laboratory, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital.

WILLIAM ROSENAU, PH. D., *Associate in Post-Biblical Hebrew.*

A.B., University of Cincinnati, 1888; Hebrew Union College of Cincinnati, 1889; Ph. D., Johns Hopkins University, 1900. 825 Newington Av.

J. EUSTACE SHAW, PH. D., *Associate in Italian.* 1114 Bolton St.

A. B., Johns Hopkins University, 1896, Fellow, 1899-1900, and Ph. D., 1900.

HENRY O. REIK, M. D., *Associate in Ophthalmology and Otology.*

M. D., University of Maryland, 1891; *Assistant in Ophthalmology and Otology, the Johns Hopkins Dispensary.* 412 Cathedral St.

LOUIS P. HAMBURGER, M. D., *Associate in Medicine.* 1210 Eutaw Place.

A. B., Johns Hopkins University, 1893, and M. D., 1897; *Clinical Assistant in Medicine, the Johns Hopkins Dispensary.*

GEORGE E. BARNETT, PH. D., *Associate in Political Economy.*

A. B., Randolph-Macon College, 1891, Fellow, Johns Hopkins University, 1899-1900, and Ph. D., 1901. 227 W. Monument St.

THOMAS R. BROWN, M. D., *Associate in Medicine.* 17 W. Biddle St.

A. B., Johns Hopkins University, 1892, and M. D., 1897; *Chief of the Medical Clinic, the Johns Hopkins Dispensary.*

RUFUS I. COLE, M. D., *Associate in Medicine.* The Johns Hopkins Hospital.

S. B., University of Michigan, 1896; M. D., Johns Hopkins University, 1899; *Resident Physician, the Johns Hopkins Hospital.*

ARTHUR S. LOEVENHART, M. D., *Associate in Physiological Chemistry and Pharmacology.* 521 N. Wolfe St.

S. B., Kentucky State College, 1898, and M. S., 1899; M. D., Johns Hopkins University, 1903.

DAVID M. ROBINSON, PH. D., *Associate in Classical Archæology.*

A. B., University of Chicago, 1898, Fellow in Greek, 1899-1901, and Ph. D., 1904; American School of Classical Studies, Athens, 1901-1903 (Fellow, 1902-03); University of Halle, 1902, and Berlin, 1903-04; Assistant Professor of Greek, Illinois College, 1904-05. 1104 McCulloh St.

WILLIAM S. BAER, M. D., *Associate in Orthopedic Surgery.* 714 Park Av.

A. B., Johns Hopkins University, 1894, and M. D., 1898; *Assistant in Orthopedic Surgery, the Johns Hopkins Hospital.*

GEORGE WALKER, M. D., *Associate in Surgery.* 529 N. Charles St.

M. D., University of Maryland, 1889; *Chief of the Surgical Clinic, the Johns Hopkins Dispensary.*

RICHARD H. FOLLIS, JR., M. D., *Associate in Surgery.* 112 E. Preston St.

Ph. B., Yale University, 1895; M. D., Johns Hopkins University, 1899; *Resident Surgeon, the Johns Hopkins Hospital.*

CHARLES H. BUNTING, M. D., *Associate in Pathology.*

S. B., University of Wisconsin, 1896; M. D., Johns Hopkins University, 1901; Assistant Demonstrator of Pathology, University of Pennsylvania, 1902-03; *Assistant Resident Pathologist, the Johns Hopkins Hospital.* The Johns Hopkins Hospital.

J. MORRIS SLEMONS, M. D., *Associate in Obstetrics.* 23 W. Chase St.

A. B., Johns Hopkins University, 1897, and M. D., 1901; *Assistant in Obstetrics, the Johns Hopkins Hospital.*

WILLIAM W. FORD, M. D., *Associate in Bacteriology.* 1134 Cathedral St.

A. B., Adelbert College, 1893; M. D., Johns Hopkins University, 1898; Fellow of McGill University, 1899-1901, and of the Rockefeller Institute, 1901-02.

CHARLES K. SWARTZ, PH. D., *Associate in Geology and Paleontology.*
A. B., Johns Hopkins University, 1888, Fellow, 1903-04, and Ph. D., 1904.
918 N. Fulton Av.

THOMAS R. BOGGS, M. D., *Associate in Medicine.*
S. B., University of Georgia, 1896; M. D., Johns Hopkins University, 1901; *Assistant Resident Physician in charge of the Medical Bacteriological Laboratory, the Johns Hopkins Hospital.*
The Johns Hopkins Hospital.

S. EDWIN WHITEMAN, *Instructor in Drawing.* Mt. Washington.
École des Beaux-Arts, Paris.

ELIZABETH HURDON, M. D., *Assistant in Gynecology.* 1315 N. Charles St.
M. D., Trinity University (Toronto), 1895.

LEWIS E. JEWELL, *Assistant in Astro-Physics.* 1215 Argyle Av.

HENRY MCE. KNOWER, PH. D., *Instructor in Anatomy.* 112 E. Preston St.
A. B., Johns Hopkins University, 1890, Fellow, 1894-95, Bruce Fellow, 1895-96, and Ph. D., 1896; Instructor in Williams College, 1896-97; *Co-editor and Secretary, American Journal of Anatomy.*

WILLIAM KURRELMEYER, PH. D., *Instructor in German.* Ellicott City.
A. B., Johns Hopkins University, 1896, Fellow, 1897-99, and Ph. D., 1899; Professor of Modern Languages, Franklin and Marshall College, 1899-1900.

HARRY T. MARSHALL, M. D., *Instructor in Pediatrics.* 5 W. Chase St.
A. B., Johns Hopkins University, 1894, M. D., 1898, and Fellow, 1899-1900; *Chief of the Medical Clinic, the Johns Hopkins Dispensary.*

H. WARREN BUCKLER, M. D., *Assistant in Obstetrics.* 806 Cathedral St.
A. B., Johns Hopkins University, 1895, and M. D., 1899; *Clinical Assistant in Medicine, the Johns Hopkins Dispensary.*

NATHAN E. B. IGLEHART, M. D., *Assistant in Surgery.* 16 W. Preston St.
M. D., University of Maryland, 1889; *Clinical Assistant, the Johns Hopkins Dispensary.*

MACTIER WARFIELD, M. D., *Instructor in Laryngology.* 700 N. Howard St.
A. B., Johns Hopkins University, 1881; M. D., University of Maryland, 1884; *Chief of the Laryngological and Rhinological Clinic, the Johns Hopkins Dispensary.*

ALFRED R. L. DOHME, PH. D., *Instructor in Pharmacy.* Roland Park.
A. B., Johns Hopkins University, 1886, and Ph. D., 1889.

J. HALL PLEASANTS, M. D., *Instructor in Medicine.* 6 W. Chase St.
A. B., Johns Hopkins University, 1895, and M. D., 1899; *Chief of the Medical Clinic, the Johns Hopkins Dispensary.*

JAMES HALL MASON KNOX, JR., PH. D., M. D., *Assistant in Pediatrics.*
A. B., Yale University, 1892, and Ph. D., 1894; A. M., Lafayette College, 1896; M. D., Johns Hopkins University, 1898; *Clinical Assistant, the Johns Hopkins Dispensary.*
804 Cathedral St.

RICHARD A. URQUHART, M. D., *Assistant in Pediatrics.* 849 Park Av.
M. D., University of Virginia, 1894; *Clinical Assistant, the Johns Hopkins Dispensary.*

FRANK R. BLAKE, PH. D., *Instructor in Oriental Languages.*
A. B., Johns Hopkins University, 1897, Fellow, 1898-1902, and Ph. D., 1902.
Mt. Washington.

JULIUS HOFMANN, *Assistant in German.* 1029 W. Lanvale St.
University of Giessen.

SYLVAN ROSENHEIM, M. D., *Assistant in Laryngology.* 522 N. Charles St.
A. B., Johns Hopkins University, 1895, and M. D., 1899; *Clinical Assistant in Laryngology, the Johns Hopkins Dispensary.*

EDGAR R. STROBEL, M. D., *Assistant in Dermatology.* 37 E. North Av.

A. B., Johns Hopkins University, 1895, and M. D., 1899; *Clinical Assistant, the Johns Hopkins Dispensary.*

LEROY C. BARRET, PH. D., *Instructor in Latin.* 2017 N. Calvert St.

A. B., Washington and Lee University, 1897, and A. M., 1898; Fellow, Johns Hopkins University, 1901–03, and Ph. D., 1903.

THEODORE CLINTON FOOTE, PH. D., *Instructor in Biblical Literature.*

A. B., Racine College, 1880, and A. M., 1883; S. T. B., General Theological Seminary (N. Y.), 1884; Ph. D., Johns Hopkins University, 1902, and Rayner Fellow, 1901–03.

1825 W. Fayette St.

CAMPBELL P. HOWARD, M. D., *Assistant in Medicine.*

A. B., McGill University, 1897, and M. D. C. M., 1901; *Assistant Resident Physician, the Johns Hopkins Hospital.* The Johns Hopkins Hospital

M. LLEWELLYN RANEY, PH. D., *Assistant Librarian.* Pikesville.

A. B., Centre College, 1897; Fellow, Johns Hopkins University, 1901–03, and Ph. D., 1904.

W. RUSH DUNTON, M. D., *Assistant in Psychiatry.* Towson.

S. B., Haverford College, 1889, and A. M., 1890; M. D., University of Pennsylvania, 1893; Assistant Physician, Sheppard and Enoch Pratt Hospital; *Clinical Assistant in Neurology, the Johns Hopkins Dispensary.*

GEORGE L. STREETER, M. D., *Instructor in Anatomy.*

A. B., Union College, 1895; A. M. and M. D., Columbia University, 1899.

227 W. Monument St.

JAMES J. MILLS, M. D., *Instructor in Ophthalmology and Otology.*

M. D., Baltimore Medical College, 1889; *Assistant in Ophthalmology and Otology, the Johns Hopkins Dispensary.* 853 Park Av.

LOUIS V. HAMMAN, M. D., *Instructor in Medicine.* 21 W. Franklin St.

A. B., Rock Hill College, 1896; M. D., Johns Hopkins University, 1901; *Clinical Assistant, the Johns Hopkins Dispensary.*

F. HARRY BAETJER, M. D., *Assistant in Surgery, in charge of Actinography.*

A. B., Johns Hopkins University, 1897, and M. D., 1901; *Assistant in Actinography, the Johns Hopkins Hospital.* 714 Park Av.

JAMES BARNES, PH. D., *Assistant in Physics.* 227 W. Monument St.

A. B., Dalhousie University, 1899, and A. M., 1900; Fellow, Johns Hopkins University, 1903–04, and Ph. D., 1904.

ARTHUR B. COBLE, PH. D., *Instructor in Mathematics.* 238 Laurens St.

A. B., Pennsylvania College, 1897; Fellow, Johns Hopkins University, 1901–02, and Ph. D., 1902; Instructor in Mathematics, University of Missouri, 1902–03.

JOHN C. FRENCH, PH. D., *Instructor in English.* 721 Gorsuch Av.

A. B., Johns Hopkins University, 1899, Fellow, 1903-04, and Ph. D., 1905.

HENRY W. KENNARD, M. D., *Assistant in Orthopedic Surgery.*

M. D., University of Maryland, 1899; *Clinical Assistant, the Johns Hopkins Dispensary.*

1222 Mt. Royal Av.

JOHN W. BAIRD, PH. D., *Assistant in Psychology.* 1416 McCulloh St.

A. B., University of Toronto, 1897; Fellow, Cornell University, 1900–02, Ph. D., 1902, and Assistant in Psychology, 1902–04.

RHEINART P. COWLES, PH. D., *Assistant in Biology.* 1125 McCulloh St.

A. B., Leland Stanford Jr. University, 1899; Fellow, Johns Hopkins University, 1901–02, Bruce Fellow, 1902–04, and Ph.D., 1904.

J. BISHOP TINGLE, PH. D., *Assistant in Chemistry.* 2132 N. Calvert St.

Owens College (Manchester, Eng.), 1883-87; Ph. D., University of Munich, 1889; Professor of Chemistry, Illinois College, 1901-04.

EDWARD M. SINGEWALD, *Assistant in Neurology.* 5 N. Washington St.
M. D., University of Maryland, 1888; *Clinical Assistant, the Johns Hopkins Dispensary.*

MAX BRÖDEL, *Instructor in Art as applied to Medicine.*
Academy of Arts, Leipzig, 1885–90; Illustrator, University of Leipzig, until 1894.
707 N. Carrollton Av.

RONALD T. ABERCROMBIE, M. D., *Director of the Gymnasium.*
A. B., Johns Hopkins University, 1901, and M. D., 1905. Church Home.

FRANCIS C. GOLDSBOROUGH, M. D., *Assistant in Obstetrics.*
S. B., Princeton University, 1899; M. D., Johns Hopkins University, 1903; *Assistant Resident Gynecologist, the Johns Hopkins Hospital.* The Johns Hopkins Hospital.

ARTHUR W. MEYER, M. D., *Assistant in Anatomy.* 1119 N. Caroline St.
A. B., University of Wisconsin, 1898; M. D., Johns Hopkins University, 1905.

ROBERT L. RAMSAY, PH. D., *Assistant in English.* 304 Robert St.
A. B., Fredericksburg College, 1899; Fellow, Johns Hopkins University, 1904–05, and Ph. D., 1905.

ROBERT RETZER, M. D., *Assistant in Anatomy.* 227 W. Monument St.
M. D., University of Leipzig, 1904; Fellow, Johns Hopkins University, 1904-1905.

GEORGE H. WHIPPLE, M. D., *Assistant in Pathology.* 510 N. Broadway.
A. B., Yale University, 1900; M. D., Johns Hopkins University, 1905.

JOSEPH ALBERT CHATARD, M. D., *Assistant in Medicine.*
A. B., Loyola College, 1898; M. D., Johns Hopkins University, 1903; *Chief of Medical Clinic, the Johns Hopkins Dispensary.* 113 W. Lanvale St.

JOHN AUGUSTINE ENGLISH EYSTER, M. D., *Assistant in Physiology.*
S. B., Maryland Agricultural College, 1899; M. D. and Fellow, Johns Hopkins University, 1905.
1700 Linden Av.

CLARENCE B. FARRAR, M. D., *Assistant in Psychiatry.* Towson.
A. B., Harvard University, 1896; M. D., Johns Hopkins University, 1900; Assistant Physician and Acting Director of the Laboratory, Sheppard and Pratt Hospital; *Clinical Assistant in Neurology, the Johns Hopkins Hospital.*

JOSEPH CHRISTIE WHITNEY FRAZER, PH. D., *Assistant in Chemistry.*
S. B., Kentucky State College, 1897, and M. S., 1898; Fellow, Johns Hopkins University, 1900–01, and Ph. D., 1901; engaged in research with Professor Morse, on a grant from the Carnegie Institution of Washington. 1217 Madison Av.

ARTHUR DOUGLAS HIRSCHFELDER, M. D., *Voluntary Assistant in Medicine.*
S. B., University of California, 1897; M. D., Johns Hopkins University, 1903.
610 N. Broadway.

JOHN ARTHUR LUETSCHER, M. D., *Assistant in Medicine.*
S. B., University of Wisconsin, 1895; M. D., Johns Hopkins University, 1899; *Clinical Assistant in Medicine, the Johns Hopkins Dispensary.* 1025 Madison Av.

STEPHEN RUSHMORE, M. D., *Assistant in Gynecology.*
A. B., Amherst College, 1897; M. D., Johns Hopkins University, 1902; *Resident Gynecologist, the Johns Hopkins Hospital.* The Johns Hopkins Hospital.

WILLIAM F. M. SOWERS, M. D., *Assistant in Surgery.*
A. B., Princeton University, 1896; M. D., Johns Hopkins University, 1900; *Resident Surgeon, the Johns Hopkins Hospital.* The Johns Hopkins Hospital.

GEORGE LANE TANEYHILL, JR., M. D., *Assistant in Medicine.*
A. B., Johns Hopkins University, 1900, and M. D., 1904; *Clinical Assistant in Medicine, the Johns Hopkins Dispensary.* 1103 Madison Av.

JAMES MARTIN WRIGHT, PH. D., *Assistant in History.* 1410 Linden Av.
A. B., William Jewell College, 1901; Fellow, Johns Hopkins University, 1903–04, and Ph. D. 1905.

LECTURERS DURING THE YEAR 1905-06

On the Turnbull Foundation

HENRY VAN DYKE, D. D., LL. D., of Princeton University.
Six lectures on the *Service of Poetry.*

On the Herter Foundation

Professor HANS H. MEYER, PH. D., of the University of Vienna.
Two lectures on pharmacological and physiological topics.

History of Religions

Professor GEORGE W. KNOX, D. D., of the Union Theological Seminary, N. Y.
Six lectures on the *Religions of Japan.*

Before separate departments of the University

Geology

Professor CLEVELAND ABBE, PH. D., LL. D., of the United States Weather Bureau.
Meteorology.

LOUIS A. BAUER, PH. D., Director of the Department of Terrestrial Magnetism, Carnegie Institution.
Terrestrial Magnetism.

Professor JAMES F. KEMP, E. M., of Columbia University.
Ten lectures on the *Origin of Ore Deposits.*

German

THOMAS S. BAKER, PH. D., of the Jacob Tome Institute.
German Literature.

Greek

ARISTOGEITON M. SOHO, PH. D., of Baltimore.
Modern Greek.

Historical and Economic Science

JOHN M. GLENN, A. M., of Baltimore.
Ten lectures on *Problems of Relief.*

CLAYTON C. HALL, LL. B., A. M., of Baltimore.
Eight lectures on the *Theory and Applications of Insurance.*

JESSE S. REEVES, PH. D., of Richmond, Ind.
Ten lectures on *American Diplomatic History.* (Albert Shaw Lectureship.)

JAMES SCHOULER, LL. D., of Boston.
Four lectures on the *Fundamental Ideals of the American Republic.*

Mathematics

FABIAN FRANKLIN, PH. D., LL. D., of Baltimore.
Theory of Probability.

Medicine

ALEXANDER C. ABBOTT, M. D., Professor of Hygiene and Director of the Laboratory of Hygiene, University of Pennsylvania.
Hygiene.

CH. WARDELL STILES, PH. D., Zoologist of the U. S. Bureau of Public Health.
Medical Zoölogy.

Philosophy and Psychology

CLARENCE B. FARRAR, M. D., of Baltimore.
Physiological Psychology.

CHRISTINE LADD FRANKLIN, LL. D., of Baltimore.
Symbolic Logic.

Professor JOSIAH ROYCE, PH. D., LL. D., of Harvard University.
Ten lectures on *Aspects of Post-Kantian Idealism.*

Romance Languages

Professor FREDERICK M. WARREN, PH. D., of Yale University.
Old-French Literature.

HOLDERS OF THE JOHNSTON SCHOLARSHIPS

SOLOMON FARLEY ACREE, PH. D., *Henry E. Johnston Scholar.*

S. B., University of Texas, 1896, and M. S., 1897; Fellow, University of Chicago, 1898-1901, and Ph. D., 1902; Associate Professor, University of Utah, 1901-04; Student, University of Berlin, 1903-04. *Chemistry.*

1206 Bolton St.

HENRY SHOEMAKER CONARD, PH. D., *James Buchanan Johnston Scholar.*

S. B., Haverford College, 1894, Fellow, 1894-95, and A. M., 1895; Fellow, University of Pennsylvania, 1899-03, Ph. D., 1901, Instructor and Lecturer on Botany, 1903-05. *Botany.*

1111 Linden Av.

ISAAC WOODBRIDGE RILEY, PH. D., *Henry E. Johnston Jr. Scholar.*

A. B., Yale University, 1892, A. M., 1893, and Ph. D., 1902; Instructor in English, New York University, 1897-98; Acting Professor of Philosophy, University of New Brunswick, 1902-04; Co-operating Editor, *Psychological Bulletin. Philosophy.*

709 St. Paul St.

Internes of the Johns Hopkins Hospital

The following graduates of the medical department are Resident House Officers in the Johns Hopkins Hospital:

Khleber Heberden Beall, M. D.
S. B., University of Texas, 1899; M. D., Fort Worth University, 1900, and Johns Hopkins University, 1905.

Clifton Maupin Faris, M. D.
A. B., Leland Stanford, Jr. University, 1900; M. D., Johns Hopkins University, 1905.

Frederick Reynolds Ford, M. D.
S. B., Colgate University, 1901; M. D., Johns Hopkins University, 1905.

William Lorenzo Moss, M. D.
S. B., University of Georgia, 1901; M. D., Johns Hopkins University, 1905.

Edward Henderson Richardson, M. D.
A. B., Hampden-Sidney College, 1900; M. D., Johns Hopkins University, 1905.

Calvin Duvall Cowles, Jr., M. D.
A. B., University of North Carolina, 1901; M. D., Johns Hopkins University, 1905.

Solon A. Dodds, M. D.
Ph. B., Wesleyan University, 1901; M. D., Johns Hopkins University, 1905.

Frank Peyton Rous, M. D.
A. B., Johns Hopkins University, 1900, and M. D., 1905.

Robert Barnard Slocum, M. D.
Ph. B., University of Rochester, 1900; M. D., Johns Hopkins University, 1905.

Douglas Vander Hoof, M. D.
B. L., Dartmouth College, 1901; M. D., Johns Hopkins University, 1905.

Harry Isaac Wiel, M. D.
A. B., Leland Stanford, Jr. University, 1900; M. D., Johns Hopkins University, 1905.

GRADUATE STUDENTS

Fellows by Courtesy

ROBERT TREAT CRANE. Baltimore County. *Pikesville.*

A. B., Johns Hopkins University, 1902, and Fellow, 1904-05. *Political Science, Economics, and Philosophy.*

EDWARD PECHIN HYDE. Baltimore. 1100 *E. North Av.*

A. B., Johns Hopkins University, 1900, and Fellow, 1901-02; Assistant, Bureau of Standards, Washington. *Physics, Mathematics, and Physical Chemistry.*

WIGHTMAN FLETCHER MELTON. Tuscaloosa, Ala. 710 *Madison Av.*

L. I., University of Nashville, 1889; A. M., Blount College (Ala.), 1892; late President of Tuscaloosa Female College. *English, Philosophy, and German.*

JAMES MARVIN MOTLEY. Liberty, Mo. 1410 *Linden Av.*

A. B., William Jewell College, 1901, and A. M., 1904; Fellow, Johns Hopkins University, 1904-05. *Political Economy, History, and Political Science.*

WALTER THOMSON PEIRCE. South Charleston, O. 516 *Park Av.*

A. B., Ohio Wesleyan University, 1894; A. M., University of Michigan, 1896; Fellow, Johns Hopkins University, 1902-03; Acting Professor of Romance Languages, Indiana University, 1903-05. *French, Spanish, and Italian.*

ROBERT BRUCE ROULSTON. Baltimore. *Baltimore Country School.*

A. B., Johns Hopkins University, 1900, and Fellow, 1902-03. *German, Sanskrit, and Latin.*

ANDREW DANTE SCHRAG. Moundridge, Kan. 1203 *McCulloh St.*

A. B., Haverford College, 1902; Fellow, Johns Hopkins University, 1904-05. *German, History, and Philosophy.*

CHARLES SIDNEY SMITH. Washington, D. C. 1028 *N. Eutaw St.*

A. B., Princeton University, 1888, and A. M., 1891; Fellow, Johns Hopkins University, 1900; Assistant Professor of Greek and Latin, George Washington University. *Latin, Greek, and Sanskrit.*

HORACE SCUDDER UHLER. Baltimore. 262 W. Hoffman St.

A. B., Johns Hopkins University, 1894, Fellow, 1904-05, and Ph. D., 1905; engaged in research with Professor H. C. Jones, on a grant from the Carnegie Institution of Washington. *Physical Chemistry.*

LOUIS BERNARD WOLFENSON. Baltimore. 513 *Laurens St.*

A. B., University of Wisconsin, 1901, and A. M., 1902; Fellow, Johns Hopkins University, 1904-05. *Semitic Philology, Sanskrit, and Egyptology.*

(10)

Adam T. Bruce Fellow in Biology

FORREST SHREVE. Easton. [*Absent on leave.*]

A. B., Johns Hopkins University, 1901, Fellow, 1904-05, and Ph. D., 1905; engaged in research at the Tropical Station of the New York Botanical Garden, Cinchona Plantation, Jamaica, 1905-06. *Botany.*

William S. Rayner Fellow in Semitic Languages

AARON EMBER. Baltimore. 12 *S. Eden St.*

A. B., Johns Hopkins University, 1901, Fellow, 1903-04, and Ph. D., 1904. *Semitic Languages.*

University Fellows

ROBERT ERVIN COKER. Darlington, S. C. 1103 *N. Eutaw St.*
S. B., Univ. of North Carolina, 1896, and M. S., 1897. *Zoology, Physiology, and Botany.*

ERNEST K. CULLEN. Toronto, Ont. 3 *W. Preston St.*
M. B., University of Toronto, 1903. *Pathology.*

EDWIN PRESTON DARGAN. Barboursville, Va. 516 *Park Av.*
A. B., Bethel College (Ky.), 1899. *French, Italian, and Spanish.*

GEORGE WICKER ELDERKIN. Hanover, N. H. 709 *St. Paul St.*
A. B., Dartmouth College, 1902. *Greek, Latin, and Sanskrit.*

JOHN AUGUSTINE ENGLISH EYSTER. Baltimore. 1700 *Linden Av.*
S. B., Maryland Agricultural College, 1899; M. D., Johns Hopkins University, 1905. *Physiology.* [*Resigned, to become Assistant in Physiology.*]

HORACE EDGAR FLACK. Cuba, N. C. 1203 *McCulloh St.*
A. B. and A. M., Wake Forest College, 1901. *Political Science, History, and Economics.*

FREDERICK SQUIRE HEMRY. Clay Centre, Neb. 2301 *Eutaw Pl.*
A. B., Cotner University, 1894; A. M., University of Nebraska, 1897. *German, Greek, and English.*

FREDERICK W. HILBERT. Baltimore. 1206½ *McCulloh St.*
A. B., Randolph-Macon College, 1896. *Political Economy, History, and Political Science.* [*Died February* 17, 1906.]

HERBERT PIERREPONT HOUGHTON. Stamford, Conn 239 *W. Lanvale St.*
A. B., Amherst College, 1901, and A. M., 1904. *Greek, Latin, and Sanskrit.*

LLEWELLYN GRIFFITH HOXTON. Washington, D. C. 1018 *St. Paul St.*
A. B., S. B., and A. M., University of Virginia, 1900. *Physics, Mathematics, and Geological Physics.*

WILLIAM LEE KENNON. Jackson, Miss. 1005 *McCulloh St.*
S. B., Millsaps College, 1900. *Chemistry, Physical Chemistry, and Physics.*

ALBERT HARP LICKLIDER. Norfolk, Va. 2430 *Maryland Av.*
A. M., Randolph-Macon College, 1897. *English, French, and German.*

HENRY MARTIN. Brandywine, Va. 261 *W. Hoffman St.*
A. B., Richmond College, 1899. *Latin, Spanish, and French.*

LEROY MCMASTER. Walkersville. 1205 *Myrtle Av.*
Ph. B., Dickinson College, 1901. *Chemistry, Physical Chemistry, and Physics.*

JOHN FREDERICK MESSICK. Allen. 1416 *McCulloh St.*
A. B., Randolph-Macon College, 1899. *Mathematics, Physics, and Psychology.*

SAMUEL GRANT OLIPHANT. Baltimore. 1613 *John St.*
A. B., Princeton University, 1891. *Sanskrit, Greek, and Latin.*

AUGUST HERMAN PFUND. Madison, Wis. 1228 *McCulloh St.*
S. B., University of Wisconsin, 1901. *Physics, Physical Chemistry, and Mathematics.*

WILLIAM FREDERICK PROUTY. Syracuse, N. Y. 315 *W. Hoffman St.*
S. B., Syracuse University, 1903. *Geology, Mineralogy, and Physical Chemistry.*

WILLIAM HENRY SCHULTZ. Akron, O. 1534 *John St.*
Ph. B., Baldwin University, 1899. *Physiology and Zoology.*

HENRY MCGILBERT WAGSTAFF. Olive Hill, N. C. 307 *Dolphin St.*
Ph. B., University of North Carolina, 1899. *History, Political Economy, and Politics.*

ROBERT DANIEL WILLIAMS. Racine, Wis. 405 *Wilson St.*
A. B., Princeton University, 1903; Fellow, 1903-04, and A. M., 1904. *Philosophy, Experimental Psychology, and Oriental History.*

Other Graduate Students in Philosophy

JOHN ARMSTRONG ADDISON. Baltimore. 315 *Warren Av.*
A. B., Johns Hopkins University, 1903. *History and Philosophy.*

SAMUEL JAMES ALLAN. Halifax, N. S. 1125 *McCulloh St.*
Sc. B., McGill University, 1900, and M. Sc., 1901. *Physics, Physical Chemistry, and Mathematics.*

JOHN AUGUST ANDERSON. Tansem, Minn. 916 *McCulloh St.*
S. B., Valparaiso College (Ind.), 1900. *Physics and Mathematics.*

CLYDE SHEPHERD ATCHISON. Baltimore. 1929 *W. North Av.*
A. B., Westminster College (Pa.), 1903. *Mathematics, Physics, and Psychology.*

HAROLD HERMAN BENDER. Martinsburg, W. Va. 205 *E. North Av.*
A. B., Lafayette College, 1903. *Sanskrit and Comparative Philology.*

BENJAMIN ABRAM BERNSTEIN. Baltimore. 134 *N. Exeter St.*
A. B., Johns Hopkins University, 1905. *Mathematics, Psychology, and History of Philosophy.*

REV. PHILIP BLANC. Baltimore. *St. Mary's Seminary.*
A. B., University of Lyons, 1895; S. T. L., Catholic University of Paris, 1900. *Semitic Languages and English Literature.*

FREDERICK CONRAD BLANCK. Baltimore. 520 *N. Fulton Av.*
A. B., Johns Hopkins University, 1903. *Chemistry, Physical Chemistry and Mineralogy.*

SOLOMON BLUM. Baltimore. 1608 *Park Av.*
A. B., Johns Hopkins University, 1903. *Political Economy, Political Science, and History.*

CHARLES AUGUST BLUME. Wiesbaden, Germany. 1114 *McCulloh St.*
Wiesbaden Gymnasium, 1904. *Greek, Latin, and Sanskrit.*

JOHN MANNING BOOKER. Baltimore. 208 *W. Monument St.*
A. B., Johns Hopkins University, 1901. *English.*

ROGER FREDERIC BRUNEL. Portland, Me. 1410 *Linden Av.*
A. B., Colby College, 1903. *Chemistry, Physical Chemistry, and Physics.*

ROBERT GRANVILLE CAMPBELL. Lexington, Va. 1012 *Madison Av.*
A. B., Washington and Lee University, 1898, and A. M., 1899. *Political Science, Political Economy, and History.*

TAYLOR SCOTT CARTER. Mt. Jackson, Va. 1005 *McCulloh St.*
S. B., Virginia Military Institute, 1901. *Physics, Physical Chemistry, and Mathematics.*

WILLIAM DOUGLAS CARTER. Quincy, Ill. 1206 *McCulloh St.*
A. B., Leland Stanford Jr. University, 1905. *Biology, Physics, and Botany.*

WALTER FIELDHOUSE CLARKE. Danville, Va. 927 *McCulloh St.*
A. B., Hampden-Sidney College, 1903. *Chemistry, Biology, and Physics.*

GEORGE BROWNLEE CLINKSCALES. Spartanburg, S. C. 424 *N. Greene St.*
S. B., Clemson College, 1902. *Mathematics and Physics.*

FRANK LAWRENCE COOPER. Owosso, Mich. 3325 *Beech Av., Hampden.*
S. B., University of Michigan, 1900, and A. M., 1904. *Physics, Physical Chemistry, and Mathematics.*

ROBERT FRANKLIN COOPER. Lexington, Va. 261 *W. Hoffman St.*
A. B., Washington and Lee University, 1902, and A. M., 1904. *Greek, Latin, and Sanskrit.*

EBEN CHARLES HILL. Baltimore. 2120 *N. Charles St.*
A. B., Johns Hopkins University, 1903.

CHARLES LANE HINCHER. Kent, N. Y. 1706 *E. Monument St.*
S. B., University of Rochester, 1903.

JOSEPH GARDNER HOPKINS. Brooklyn, N. Y. 1717 *Fairmount Av.*
A. B., Columbia University, 1902.

HERBERT LESTER KELLEY. Franklin Falls, N. H. 908 *N. Broadway.*
A. B., Dartmouth College, 1903.

ALLEN KRAMER KRAUSE. Lebanon, Pa. 113 *Jackson Pl.*
A. B., Brown University, 1901, A. M., 1902, and Graduate Student, 1902–03.

SALLY PORTER LAW. Hartford, Conn. 429 *N. Broadway.*
A. B., Bryn Mawr College, 1903.

BETHUEL BOYD VINCENT LYON. Philadelphia, Pa. 1705 *Fairmount Av.*
A. B., Williams College, 1903.

PERRY WILLIAM MCLAUGHLIN. Mason-Dixon, Pa. 140 *Jackson Pl.*
A. B., Pennsylvania College, 1903.

EDWARD FALL MALONE. Nashville, Tenn. 515 *Cathedral St.*
A. B., Vanderbilt University, 1903.

LYMAN CLEMENTS MURPHY. Burlington, N. C. 306 *W. Lanvale St.*
A. B., Johns Hopkins University, 1902.

NORRIS GREY ORCHARD. Fargo, N. Dak. 116 *Jackson Pl.*
S. B., Fargo College, 1903.

FRED THOMAS OWENS. West Winfield, N. Y. 1717 *Fairmount Av.*
A. B., Hamilton College, 1903.

CHARLES BENJAMIN PALMER. Little Falls, N. Y. 1022 *N. Broadway.*
A. B., Harvard University, 1901.

WILLIAM TURNER PARSONS. Baltimore. 1020 *N. Broadway.*
A. B., Johns Hopkins University, 1903.

CARROLL DUNHAM PARTRIDGE. Bennington, Vt. 418 *N. Broadway.*
S. B., University of Vermont, 1900; Assistant and Instructor in Chemistry, Cornell University, 1900–1904; Summer Quarter, University of Chicago, 1904-1905.

WILLIAM OTTO PAULI. Cincinnati, O. 111 *Jackson Pl.*
A. B., University of Cincinnati, 1902.

GEORGE PEIRCE. Haverford, Pa. 432 *N. Broadway.*
A. B., Haverford College, 1903.

EUGENE LEO PESSAGNO. Baltimore. 908 *Eastern Av.*
A. B., Johns Hopkins University, 1903.

HARRY WARD PLAGGEMEYER. Baltimore. 1040 *Hopkins Av. W.*
A. B., Johns Hopkins University, 1903.

PAUL PREBLE. Auburn, Me. 1717 *Fairmount Av.*
A. B., Bowdoin College, 1903.

ALEXANDER RANDALL. Annapolis. 103 *Jackson Pl.*
A. B., St. John's College, 1902; Graduate Student, Johns Hopkins University, 1902-03.

DANIEL PATTEE RAY. Tyrone, Pa. 422 *N. Broadway.*
A. B., Dickinson College, 1903.

ARTHUR MATHEWS GATES. Waterford, Conn. 1613 *John St.*
A. B., Wesleyan University, 1894, and A. M., 1895. *Latin, Greek, and Sanskrit.*

THEODORE WESLEY GLOCKER. Baltimore. 1019 *McCulloh St.*
A. B., Johns Hopkins University, 1903. *Political Economy, Political Science, and History.*

ERNEST ELISHA GORSLINE. Rochester, N. Y. 1012 *Madison Av.*
S. B., University of Rochester, 1901. *Chemistry and Physical Chemistry.*

CHARLES NEWTON GOULD. Norman, Okla. 1405 *McCulloh St.*
S. B., Southwest Kansas College, 1899; A. M., University of Nebraska, 1900. *Geology.*

JOHN SHARSHALL GRASTY. Staunton, Va. 1004 *McCulloh St.*
A. B., Johns Hopkins University, 1902. *Geology, Mineralogy, and Chemistry.*

CHARLES WALTER GRAY. Chrisman, Ill. 618 *W. North Av.*
S. B., Illinois Wesleyan University, 1903. *Chemistry, Physical Chemistry, and Mineralogy.*

LARS OLAI GRONDAHL. Hendrum, Minn. 1202 *McCulloh St.*
S. B., St. Olaf College, 1904. *Physics, Physical Chemistry, and Mathematics.*

DAVID VANCE GUTHRIE. Waynesboro, Va. 1726 *St. Paul St.*
A. B., Washington and Lee University, 1903, and A. M., 1904. *Physics, Physical Chemistry, and Mathematics.*

HUGH SISSON HANNA. Baltimore. *Club Road, Roland Pk.*
A. B., Johns Hopkins University, 1899. *Political Economy, Political Science, and History.*

MELVIN REECE HARKINS. Forest Hill. 525 *N. Fulton Av.*
A. B., Western Maryland College, 1905. *Chemistry, Physics, and Geology.*

THOMAS JEFFERSON HARWELL. Petersburg, Va. 1214 *McCulloh St.*
A. B., Hampden-Sidney College, 1904. *Latin and Greek.*

WALTER CLARK HAUPT. Baltimore. 2511 *Madison Av.*
Gymnasium Augustum, Goerlitz, 1905. *German and Romance Languages.*

JOHN COFFEY HILDT. Baltimore. 1720 *Bolton St.*
A. B., Johns Hopkins University, 1903. *History, Political Science, and French.*

ERNEST JENKINS HOFFMAN. Dallas, N. C. 1204 *Bolton St.*
A. B., Davidson College, 1900. *Chemistry, Physical Chemistry, and Physics.*

HARRY NICHOLS HOLMES. Volant, Pa. 1122 *Madison Av.*
S. B., Westminster College (Pa.), 1899. *Chemistry, Physical Chemistry, and Physics.*

B. SMITH HOPKINS. Owosso, Mich. 3325 *Beech Av., Hampden.*
A. B., Albion College, 1896, and A. M., 1897. *Chemistry, Physical Chemistry, and Physics.*

ISAAC ARCHER HORNE. Pendleton, N. C. 1206 *Bolton St.*
A. B., Wake Forest College, 1903. *English.*

WILLIAM DANA HOYT. Baltimore. 609 *Lennox St.*
A. B., University of Georgia, 1901, and M. S., 1904. *Botany, Zoology, and Geology.*

WILLIAM MUSE HUNLEY. Baltimore. 2 *Roslyn Av., Walbrook.*
A. B., Johns Hopkins University, 1903. *Political Science, Political Economy, and Philosophy.*

HARRY ASHLEY HUNT. Woolsey, Va. 710 *Madison Av.*
A. B., William and Mary College, 1901. *Mathematics and Physics.*

HERBERT EUGENE IVES. Weehawken, N. J. 1125 *McCulloh St.*
S. B., University of Pennsylvania, 1905. *Physics, Physical Chemistry, and Mathematics.*

JAMES MCINTOSH JOHNSON. Newberry, S. C. 927 *McCulloh St.*
S. B., Newberry College, 1902, and A. M., 1903. *Chemistry, Physical Chemistry, and Mathematics.*

JAMES BOYD KENNEDY. Yorkville, S. C. 220 *E. North Av.*
A. B., Erskine College, 1892. *Political Economy, History, and Political Science.*

CLINTON MAURY KILBY. Suffolk, Va. 906 *McCulloh St.*
A. M., Randolph-Macon College, 1896. *Physics, Physical Chemistry, and Mathematics.*

LUTHER KNIGHT. Baltimore. 1130 *McCulloh St.*
S. B., Northwestern College (Ill.), 1902. *Chemistry, Physical Chemistry, and Mathematics.*

ANDREW HOFFMAN KRUG. Baltimore. 509 *S. Patterson Park Av.*
A. B., St. John's College, 1901. *English and French.*

HENRY CARRINGTON LANCASTER. Richmond, Va. 516 *Park Av.*
A. B. and A. M., University of Virginia, 1903. *Romance Languages.*

AUBREY EDWARD LANDRY. South Boston, Mass. 1049 *Aisquith St.*
A. B., Harvard University, 1900; Fellow, Catholic University of America. *Mathematics.*

IVEY FOREMAN LEWIS. Raleigh, N. C. 906 *McCulloh St.*
A. B., University of North Carolina, 1902, and M. S., 1903. *Botany, Zoology, and Physiology.*

HERBERT CANNON LIPSCOMB. Petersburg, Va. 1124 *McCulloh St.*
A. B., Randolph-Macon College, 1901, and A. M., 1902. *Latin, French, and Italian.*

CHRISTOPHER LONGEST. Pontotoc, Miss. 1012 *Madison Av.*
A. B., University of Mississippi, 1900. *English, Latin, and Spanish.*

BENJAMIN FRANKLIN LOVELACE. Tuscaloosa, Ala. 1012 *Madison Av.*
S. B., University of Alabama, 1904. *Chemistry, Physical Chemistry, and Physics.*

SYLVESTER KLINE LOY. Virginsville, Pa. 1405 *Madison Av.*
A. B., Franklin and Marshall College, 1905. *Chemistry and Geology.*

RALPH VAN DEMAN MAGOFFIN. Marietta, O. 416 *W. Hoffman St.*
A. B., University of Michigan, 1902. *Latin and Greek.*

THOMAS POOLE MAYNARD. Mt. Airy. 1005 *McCulloh St.*
A. B., Johns Hopkins University, 1905. *Geology.*

REV. JAMES A. MCGIVNEY, S. J. Baltimore. *Loyola College.*
St. Francis Xavier's College (N. Y.); Woodstock College. *Mathematics.*

BARTGIS MCGLONE. Baltimore. 613 *N. Calhoun St.*
A. B., Johns Hopkins University, 1902. *Zoology, Botany, and Philosophy.*

HARMON VAIL MORSE. Baltimore. *The Cecil.*
A. B., Johns Hopkins University, 1905. *Chemistry.*

CHARLES AUGUSTUS MYERS. Baltimore. 1421 *W. Franklin St.*
A. B., Johns Hopkins University, 1902. *English, French, and German.*

MARBURY BLADEN OGLE. Baltimore. 1804 *W. Fayette St.*
A. B., Johns Hopkins University, 1902. *Latin, Greek, and Sanskrit.*

DANIEL WEBSTER OHERN. Maquon, Ill. 103 *E. Twenty-second St.*
A. B., Drake University, 1898; A. M., West Virginia University, 1899. *Geology, Mineralogy, and Chemistry.*

KENNETH STUART PATTON. Charlottesville, Va. 919 *McCulloh St.*
A. B., University of Virginia, 1904. *French, Spanish, and Italian.*

ABNEY PAYNE. Charleston, W. Va. 1314 *McCulloh St.*
A. B., Hampden-Sidney College, 1904. *History and Political Science.*

JAMES NEWTON PEARCE. Oswego, Ill. 416 *W. Hoffman St.*
Ph. B., Northwestern University, 1896, and Ph. M., 1897. *Chemistry and Physics.*

REV. EDWARD CHARLES F. PHILLIPS, S. J. Baltimore. *Loyola College.*
A. B., St. Francis Xavier's College (N. Y.), 1898; Woodstock College, 1904. *Mathematics, Physics, and Physical Chemistry.*

CHARLES FREDERICK RANFT. Baltimore. 717 *W. Baltimore St.*
A. B., Johns Hopkins University, 1902. *History, Political Economy, and Political Science.*

HARVEY CLAYTON RENTSCHLER. Hamburg, Pa. 1122 *Mosher St.*
A. B., Princeton University, 1903, and A. M., 1904. *Physics and Chemistry.*

LUTHER ADOLPH RICHARDS. Winchester, Va. *Washington, D. C.*
A. B., Columbian University, 1902, A. M., 1903, and M. S., 1904. *Mathematics, Physics, and Astronomy.*

CHARLES HENRY RICHARDSON. Hanover, N. H. 1802 *Linden Av.*
A. B., Dartmouth College, 1892, A. M., 1895, Ph. D., 1898. *Geology.*

CHARLES JUDSON ROBINSON. Bloomington, Ill. 306 *W. Lanvale St.*
S. B., Illinois Wesleyan University, 1903. *Chemistry, Physical Chemistry, and Mineralogy.*

FRANCIS MITCHELL ROGERS. Winston-Salem, N. C. 1404 *McCulloh St.*
A. B. and A. M., Davidson College, 1903. *Chemistry, Physical Chemistry, and Physics.*

CHARLES AUGUST ROUILLER. Paraje, N. Mex. 1507 *John St.*
A. B., Leland Stanford Jr. University, 1903. *Chemistry, Physical Chemistry, and Physics.*

GEORGE BISMARCK SANDERLIN. Belcross, N. C. 1109 *Myrtle Av.*
A. B., Wake Forest College, 1899, and A. M., 1900. *English, German, and History.*

CHARLES HENRY SAYLOR. Baltimore. 2418 *N. Charles St.*
A. B., Johns Hopkins University, 1904. *Greek, Latin, and Sanskrit.*

ASA ARTHUR SCHAEFFER. Kunkeltown, Pa. 1103 *Linden Av.*
A. B., Franklin and Marshall College, 1904. *Zoology, Physiology, and Botany.*

GUY HOWARD SHADINGER. Snohomish, Wash. 261 *W. Hoffman St.*
Ph. B., Hamline University, 1900. *Chemistry.*

GUY EVERETT SNAVELY. Baltimore. 1039 *N. Eutaw St.*
A. B., Johns Hopkins University, 1901. *French, Italian, and Spanish.*

REV. JOHN B. SOLÁ, S. J. Baltimore. *Loyola College.*
A. B., Miró College (Spain), 1881; University of Louvain. *Geology.*

ERNEST RADCLIFFE SPEDDEN. Baltimore. 536 *N. Carey St.*
A. B., Dickinson College, 1904. *Political Economy, Political Science, and History of Philosophy.*

LLOYD WILLIAM STEPHENSON. Scio, O. 1225 *Madison Av.*
Ph. B., Scio College, 1903. *Geology, Mineralogy, and Chemistry.*

CHARLES MILTON STINE. Baltimore. 1411 *Linden Av.*
A. B., Pennsylvania College, 1901, S. B., 1903, and A. M., 1904. *Chemistry, Physical Chemistry, and Mineralogy.*

WILLIAM AVERILL STOWELL. Baltimore. *The Mt. Royal.*
A. B., Princeton University, 1904. *Romance Languages.*

WILLIAM RINGGOLD STRAUGHN. Baltimore County. *Tuxedo Park.*
A. B., Johns Hopkins University, 1905. *Political Science, Political Economy, and Philosophy.*

WILLIAM WALKER STRONG. Mechanicsburg, Pa. 1726 *McCulloh St.*
S. B., Dickinson College, 1905. *Physics, Mathematics, and Chemistry.*

Graduate Students in Medicine

CANDIDATES FOR THE DEGREE OF M. D.

Fourth Year

Henry Adsit. Hornellsville, N. Y. 731 *W. Lanvale St.*
A. B., Princeton University, 1902.

Frank C. Ainley. Des Moines, Ia. 1731 *N. Broadway.*
S. B., Drake University, 1902.

Vivia Belle Appleton. Tama, Ia. 2025 *Maryland Av.*
A. B., Cornell University, 1901, and Medical Department, 1901-02.

Frederic Wolcott Bancroft. Denver, Colo. 1117 *N. Eutaw St.*
A. B., Leland Stanford Jr. University, 1902.

Herschel Winston Bass. Ashville, Ala. 1041 *N. Broadway.*
S. B., Alabama Polytechnic Institute, 1901, and M. S., 1902.

Francis Cooke Beall. Fort Worth, Tex. 510 *N. Broadway.*
S. B., University of Texas, 1902.

Edward Bailey Beasley. Baltimore. 1117 *N. Eutaw St.*
A. B., Johns Hopkins University, 1902.

Henry Beeuwkes. Baltimore. 713 *Reservoir St.*
A. B., Johns Hopkins University, 1902.

Julian Raymond Blackman. Hastings, Neb. 533 *N. Wolfe St.*
A. B., University of Nebraska, 1902.

Phoebe May Bogart. New York City. 144 *Jackson Pl.*
A. B., Wellesley College, 1902.

Edwards Bennett Brown. Beloit, Wis. 1019 *N. Broadway.*
A. B., Beloit College, 1901; Wisconsin College of Physicians and Surgeons, 1901-03.

Louis Herbert Burlingham. Willimantic, Conn. 2103 *Oak St.*
A. B., Yale University, 1902.

Charles Metcalfe Byrnes. Natchez, Miss. 125 *Jackson Pl.*
S. B., University of North Carolina, 1902.

John Roberts Caulk. Easton. 1707 *Fairmount Av.*
A. B., St. John's College, 1901; Georgetown University, 1901-02.

Frank Higbee Church. Boonville, N. Y. 1403 *N. Broadway.*
A. B., Hamilton College, 1902, and A. M., 1905.

Oren Howard Cobb. New York, N.Y. 1640 *N. Broadway.*
A. B., Harvard University, 1902.

T. Homer Coffin. Oskaloosa, Ia. 527 *N. Wolfe St.*
S. B., Penn College, 1901, and M. S., 1905.

HERBERT PHALON COLE. Fergus Falls, Minn. 318 *N. Broadway.*
A. B., St. Lawrence University, 1901; Student of Medicine, University of Minnesota, 1901-02.

EGERTON LAFAYETTE CRISPIN. Salem, N. J. 527 *N. Wolfe St.*
Ph. B., Illinois College, 1902.

ERNEST SAMUEL CROSS. Exeter, N. H. 510 *N. Broadway.*
A. B., Dartmouth College, 1901.

VICTOR FRANCIS CULLEN. Williamsport. 527 *N. Wolfe St.*
A. B., Rock Hill College, 1902.

GASTON DAY. Jacksonville, Fla. 1735 *N. Broadway.*
S. B., Florida State College, 1902.

RICHARD NIXON DUFFY. New Berne, N. C. 520 *N. Broadway.*
A. B., University of North Carolina, 1902.

FRANCIS FISHER EBERSOLE. Mount Pleasant, Pa. 527 *N. Wolfe St.*
A. B., Cornell College, 1902.

EUGENE PRICE GRAY. Winston-Salem, N. C. 520 *N. Broadway.*
A. B., University of North Carolina, 1902.

HERBERT LEE GRAY. Bangor, Me. 518 *N. Broadway.*
A. B., Colby College, 1902.

FRANKLIN WEBB GRIFFITH. Upper Marlboro. 1053 *N. Broadway.*
A. B., Western Maryland College, 1902.

ARTHUR HEYWOOD GRISWOLD. Worcester, Mass. 106 *Jackson Pl.*
A. B., Harvard University, 1902.

HENRY HONEYMAN HAZEN. Washington, D. C. 16 *W. Twenty-first St.*
A. B., Johns Hopkins University, 1902.

HENRY FREDERIC HELMHOLZ. Milwaukee, Wis. 510 *N. Broadway.*
S. B., University of Wisconsin, 1902; Summer Quarter, University of Chicago, 1902.

CHARLES WILLIAM HENNINGTON. Buffalo, N. Y. 1632 *Jefferson St.*
S. B., University of Rochester, 1902.

MINERVA HERRINTON. Greenville, Ia. *Hall's Springs.*
A. B., Cornell College, 1900; Graduate Student, Lewis Institute (Chicago), 1902.

JOSEPH HENRY HEWITT. Jacksondale, Va. 533 *N. Wolfe St.*
A. B., University of North Carolina, 1899, and Medical Department, 1901-02; Harvard Medical School, Summer, 1902.

FRANK HINMAN. Forest Grove, Ore. 510 *N. Broadway.*
A. B., Leland Stanford Jr. University, 1902.

JOSEPHINE DRUMMOND HUNT. Lexington, Ky. 513 *Cathedral St.*
A. B., Kentucky University, 1899, and A. M., 1902.

ELLIOTT H. HUTCHINS. Barstow. 1032 *N. Broadway.*
A. B., St. John's College, 1902.

CLARENCE B. INGRAHAM, JR. Hartford, Conn. 1223 *McCulloh St.*
Ph. B., Yale University, 1902.

LAWRENCE LEE ISEMAN. Kansas City, Mo. 718 *Newington Av.*
Ph. B., Lafayette College, 1902.

WILLIAM FINNEY KELLAM. Wachapreague, Va. 505 *N. Wolfe St.*
A. B., Randolph-Macon College, 1902.

EUGENE ROBERT KELLEY. Bangor, Me. 318 *N. Broadway.*
A. B., Bowdoin College, 1902.

JOHN HENDRICKEN KING. Baltimore. 212 *E. Biddle St.*
A. B., Johns Hopkins University, 1899, and Graduate Student, 1899–1902.

MARY BARKER KINGSBURY. Pottsville, Pa. 239 *W. Biddle St.*
A. B., Wellesley College, 1899; Harvard Summer School, 1899.

WILHELM EDMUND HARMON KRECHTING. New Germantown, N. J.
A. B., Princeton University, 1902. 1032 *N. Broadway.*

HARRY LESLIE LANGNECKER. New Brighton, Pa. 516 *Park Av.*
A. B., Leland Stanford Jr. University, 1901.

ANDRE EDWARD LEE. San Francisco, Cal. 136 *Jackson Pl.*
A. B., Leland Stanford Jr. University, 1902.

JOSEPH STOCKING LEWIS. Buffalo, N. Y. 510 *N. Broadway.*
A. B., Canisius College, 1902; Graduate Student, Cornell University, Summer of 1902.

DAVID ISRAEL MACHT. Baltimore. 1707 *E. Baltimore St.*
A. B., Johns Hopkins University, 1902; Harvard Summer School, 1903, 1904, and 1905.

GEORGE MARSDEN. New Bedford, Mass. 529 *N. Wolfe St.*
Ph. B., Brown University, 1900.

ENOCH MARVIN MASON. Birmingham, Ala. 1041 *N. Broadway.*
S. B., Alabama Polytechnic Institute, 1900, and M. S., 1901.

CARL R. MELOY. Springfield, O. 1743 *Jefferson St.*
A. B., Wittenberg College, 1902, and A. M., 1905.

ROBERT EMORY MOORE. Baltimore. 1347 *York Road.*
A. B., Johns Hopkins University, 1902.

ARTHUR HENRY MORSE. Salem, Mass. 720 *N. Broadway.*
A. B., Tufts College, 1902; Harvard Medical School, Summer of 1903.

AGNES GORDON MURDOCH. Baltimore. 710 *St. Paul St.*
A. B., Woman's College of Baltimore, 1902.

MARIE ELEANOR NAST. Cincinnati, O. 144 *Jackson Pl.*
A. B., Woman's College of Baltimore, 1902; University of Chicago, 1902–03.

JOHN FRANCIS ORTSCHILD. Portland, Ore. 1731 *N. Broadway.*
A. B., Leland Stanford Jr. University, 1899.

ROBERT PATEK. San Francisco, Cal. 428 *N. Broadway.*
S. B., University of California, 1901.

ISAAC ROSENBAUM PELS. Baltimore. 1509 *Madison Av.*
A. B., Johns Hopkins University, 1902.

DAMON BECKETT PFEIFFER. Williamstown, N. J. 510 *N. Broadway.*
A. B., Princeton University, 1902.

BENJAMIN SWAYNE PUTTS. Baltimore. 1115 *W. Lanvale St.*
A. B., Johns Hopkins University, 1902.

RALPH R. REA. Grundy Center, Ia. 720 *N. Broadway.*
S. B., Iowa State University, 1899.

FRANCIS HAMILTON REDEWILL. Berkeley, Cal. 1808 *N. Broadway.*
S. B., University of California, 1902.

LAWRENCE JOSEPH RHEA. Rhea Mills, Tex. 1220 *N. Broadway.*
S. B., University of Texas, 1901.

RICHARD FREDERIC LOT RIDGWAY. Cream Ridge, N. J. 212 *N. Broadway.*
A. B., Princeton University, 1898, and A. M., 1902.

HENRY CAMP RUSS. Hartford, Conn. 520 *N. Broadway.*
A. B., Yale University, 1902.

HAROLD PAINE SAWYER. Lansingburg, N.Y. 1043 *N. Broadway.*
S. B., University of Alabama, 1902.

EDWIN HENRY SCHORER. Plymouth, Wis. 306 *W. Lanvale St.*
S. B., University of Wisconsin, 1902.

LAMAR SEELEY. Portland, Ore. 318 *N. Broadway.*
A. B., Williams College, 1902.

RALPH BERGER SEEM. Bangor, Pa. 318 *N. Broadway.*
Ph. B., Lafayette College, 1902.

FRANK JOSEPH SLADEN. Portland, Ore. 510 *N. Broadway.*
A. B., Yale University, 1902.

HARRY GORDON SLOAN. Pittsburg, Pa. 212 *N. Broadway.*
A. B., Washington and Jefferson College, 1902.

HARVEY BRINTON STONE. Towson. 510 *N. Broadway.*
A. B., Johns Hopkins University, 1902.

PERSIS ROSAMOND STRAIGHT. Bradford, Pa. 1114 *McCulloh St.*
A. B., Smith College, 1902.

SOLOMON STROUSE. Baltimore. 1704 *Eutaw Pl.*
A. B., Johns Hopkins University, 1902.

HENRY CLARKE THACHER. Baltimore. 18 *E. Lafayette Av.*
A. B., Yale University, 1902, M. S., 1904, and Medical Department, 1902-03.

PHILIP PICKERING THOMPSON. Portland, Me. 318 *N. Broadway.*
A. B., Dartmouth College, 1902; Medical School of Maine, 1902-03.

HARRY NORTON TORREY. Creston, Ia. 433 *N. Broadway.*
S. B., Knox College, 1900; Medical Department, University of Michigan, 1901-05, and A. M., 1905.

LUCIUS TUTTLE. New Haven, Conn. 1632 *Jefferson St.*
A. B., Yale University, 1901.

WILLIS WILLARD WAITE. Brooklyn, Wis. 529 *N. Wolfe St.*
S. B., University of Wisconsin, 1902.

HAROLD RANDALL WEBB. Brunswick, Me. 106 *Jackson Pl.*
A. B., Bowdoin College, 1902.

GEORGE HOWARD WHITE, JR. Catonsville. *Catonsville.*
A. B., Princeton University, 1902.

FREDERICK PETHERAM WILBUR. Skaneateles, N. Y. 128 *Jackson Pl.*
A. B., Williams College, 1902.

NANNIE LEE WINN. Clayton, Ala. 2416 *St. Paul St.*
A. B., Woman's College of Baltimore, 1900.

JOHN ARTHUR WINTER. Negaunee, Mich. 118 *Jackson Pl.*
A. B., University of Michigan, 1902.

GILMAN JOSEPH WINTHROP. Tallahassee, Fla. 118 *Jackson Pl.*
A. B., University of the South, 1902.

BENJAMIN EDGAR WOLFORT. St. Louis, Mo. 129 *N. Broadway.*
S. B., University of Pennsylvania, 1902, and Medical Department, 1901–02.

SAMUEL WOLMAN. Baltimore. 1211 *McElderry St.*
A. B., Johns Hopkins University, 1902.

PEREGRINE WROTH, JR. Baltimore. 215 *E. Preston St.*
A. B., Johns Hopkins University, 1902.

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Third Year

MERLE THERON ADKINS. Troy, Wis. 1613 *W. Franklin St.*
S. B., Beloit College, 1903.

WALTER LEWIS BARBER, JR. Waterbury, Conn. 1705 *Fairmount Av.*
A. B., Yale University, 1903.

FRANCIS MERRIMAN BARNES, JR. Middletown, N. Y. 106 *Jackson Pl.*
A. B., Hamilton College, 1903.

ALBERT HENRY BEIFELD. Chicago, Ill. 103 *Jackson Pl.*
A. B., Harvard University, 1902.

EDWARD GRANT BIRGE. Madison, Wis. 1525 *N. Broadway.*
S. B., University of Wisconsin, 1903.

MONTAGUE LAFFITTE BOYD. Savannah, Ga. 305 *N. Broadway.*
Ph. B., Emory College, 1903.

LEVERETT DALE BRISTOL. Washington, D. C. 1734 *E. Fayette St.*
S. B., Wesleyan University (Conn.), 1903.

CHESTER TIMOTHY BROWN. Atlantic City, N. J. 1016 *N. Broadway.*
S. B., Rutgers College, 1903.

WADE HAMPTON BROWN. Marshall, Tex. 1022 *N. Broadway.*
S. B., University of Nashville, 1899; University of Chicago, 1902–03.

FREDERICK DABNEY BULLOCK. Lexington, Ky. 118 *Jackson Pl.*
S. B., Kentucky State College, 1899.

EDWARD KIMBALL BURBECK. Manchester, N. H. 821 *N. Broadway.*
A. B., Dartmouth College, 1903.

CHARLES BURNSIDE. Audubon, Ia. 1032 *N. Broadway.*
Ph. B., Iowa College, 1903.

WAID EDWIN CARSON. Ripley, W. Va. 318 *N. Broadway.*
A. B., Ohio Wesleyan University, 1900; Spring and Summer Quarters, University of Chicago, 1903.

JAMES H. CHESNUTT. Hot Springs, Ark. 118 *Jackson Pl.*
A. B., University of Virginia, 1903.

ELIOT ROUND CLARK. Wethersfield, Conn. 520 *N. Broadway.*
A. B., Yale University, 1903.

PAUL WISWALL CLOUGH. Portage, Wis. 1524 *N. Broadway.*
S. B., University of Wisconsin, 1903.

EDWIN CHARLES COBT. Allegheny, Pa. 1014 *N. Broadway.*
A. B., Washington and Jefferson College, 1901, and A. M., 1904; Student, Western Pennsylvania Medical College, 1901–03.

FRED YOHN CRONK. Westminster. 1020 *N. Broadway.*
S. B., St. John's College, 1903.

ROBERT LAW CUNNINGHAM. Newburgh, N. Y. 527 *N. Wolfe St.*
A. B., Wabash College, 1901.

CLINE FLEMMING DAVIDSON. Crawfordsville, Ind. 718 *N. Broadway.*
S. B., Wabash College, 1900; University of Illinois, 1901-03.

PAUL HERMAN DERNEHL. Milwaukee, Wis. 1613 *E. Biddle St.*
S. B., University of Wisconsin, 1903.

WILLIAM WERT DINSMORE. New Decatur, Ala. 1041 *N. Broadway.*
S. B., Alabama Polytechnic Institute, 1903.

ALPHONSE RAYMOND DOCHEZ. Harford Furnace. *Hotel Hopkins.*
A. B., Johns Hopkins University, 1903.

ROBERT WEYER DUNLAP. Washington, Pa. 1032 *N. Broadway.*
A. B., Washington and Jefferson College, 1903.

DAN HUGHES DUPREE. Danville, Ga. 1717 *Fairmount Av.*
S. B., University of Georgia, 1903.

WILLIS DEW GATCH. Aurora, Ind. 1610 *E. Madison St.*
A. B., Indiana University, 1901.

WILHELMINA VON GERBER. Weston, Mass. 429 *N. Broadway.*
A. B., Bryn Mawr College, 1903.

GEORGE BURTON GILBERT. Thomaston, Conn. 111 *Jackson Pl.*
A. B., Yale University, 1903.

HENRY GRABER. Royersford, Pa. 1014 *N. Broadway.*
A. B., Ursinus College, 1903.

INSLEE BLAIR GREENE. Belvidere, N. J. 310 *E. 22nd St.*
Ph. B., Yale University, 1902.

CLYDE GRAEME GUTHRIE. Indiana, Pa. 205 *E. North Av.*
A. B., Lafayette College, 1903.

MILTON HAHN. Washington, D. C. 131 *Jackson Pl.*
A. B., Harvard University, 1903.

ALECK PERKINS HARRISON. Tallahassee, Fla. 143 *N. Broadway.*
A. B., Florida State College, 1899.

GEORGE W. K. HARTMAN. Merced, Cal. 1525 *N. Broadway.*
S. B., University of California, 1903.

FRANKLIN HAZLEHURST, JR. Baltimore. 2112 *St. Paul St.*
A. B., Johns Hopkins University, 1903.

RALPH WELLINGTON HELLENBRAND. Old Town, Me. 106 *Jackson Pl.*
A. B., Bowdoin College, 1903.

ELIZABETH SINGLEY HELLWEG. Baltimore. 210 *S. Washington St.*
A. B., Woman's College of Baltimore, 1899.

GLADYS ROWENA HENRY. Burchard, Neb. 2025 *Maryland Av.*
S. B., University of Nebraska, 1900.

GEORGE JULIUS HEUER. Madison, Wis. 1524 *N. Broadway.*
S. B., University of Wisconsin, 1903.

EBEN CHARLES HILL. Baltimore. 2120 *N. Charles St.*
A. B., Johns Hopkins University, 1903.

CHARLES LANE HINCHER. Kent, N. Y. 1706 *E. Monument St.*
S. B., University of Rochester, 1903.

JOSEPH GARDNER HOPKINS. Brooklyn, N. Y. 1717 *Fairmount Av.*
A. B., Columbia University, 1902.

HERBERT LESTER KELLEY. Franklin Falls, N. H. 908 *N. Broadway.*
A. B., Dartmouth College, 1903.

ALLEN KRAMER KRAUSE. Lebanon, Pa. 113 *Jackson Pl.*
A. B., Brown University, 1901, A. M., 1902, and Graduate Student, 1902-03.

SALLY PORTER LAW. Hartford, Conn. 429 *N. Broadway.*
A. B., Bryn Mawr College, 1903.

BETHUEL BOYD VINCENT LYON. Philadelphia, Pa. 1705 *Fairmount Av.*
A. B., Williams College, 1903.

PERRY WILLIAM MCLAUGHLIN. Mason-Dixon, Pa. 140 *Jackson Pl.*
A. B., Pennsylvania College, 1903.

EDWARD FALL MALONE. Nashville, Tenn. 515 *Cathedral St.*
A. B., Vanderbilt University, 1903.

LYMAN CLEMENTS MURPHY. Burlington, N. C. 306 *W. Lanvale St.*
A. B., Johns Hopkins University, 1902.

NORRIS GREY ORCHARD. Fargo, N. Dak. 116 *Jackson Pl.*
S. B., Fargo College, 1903.

FRED THOMAS OWENS. West Winfield, N. Y. 1717 *Fairmount Av.*
A. B., Hamilton College, 1903.

CHARLES BENJAMIN PALMER. Little Falls, N. Y. 1022 *N. Broadway.*
A. B., Harvard University, 1901.

WILLIAM TURNER PARSONS. Baltimore. 1020 *N. Broadway.*
A. B., Johns Hopkins University, 1903.

CARROLL DUNHAM PARTRIDGE. Bennington, Vt. 418 *N. Broadway.*
S. B., University of Vermont, 1900; Assistant and Instructor in Chemistry, Cornell University, 1900-1904; Summer Quarter, University of Chicago, 1904-1905.

WILLIAM OTTO PAULI. Cincinnati, O. 111 *Jackson Pl.*
A. B., University of Cincinnati, 1902.

GEORGE PEIRCE. Haverford, Pa. 432 *N. Broadway.*
A. B., Haverford College, 1903.

EUGENE LEO PESSAGNO. Baltimore. 908 *Eastern Av.*
A. B., Johns Hopkins University, 1903.

HARRY WARD PLAGGEMEYER. Baltimore. 1040 *Hopkins Av. W.*
A. B., Johns Hopkins University, 1903.

PAUL PREBLE. Auburn, Me. 1717 *Fairmount Av.*
A. B., Bowdoin College, 1903.

ALEXANDER RANDALL. Annapolis. 103 *Jackson Pl.*
A. B., St. John's College, 1902; Graduate Student, Johns Hopkins University, 1902-03.

DANIEL PATTEE RAY. Tyrone, Pa. 422 *N. Broadway.*
A. B., Dickinson College, 1903.

CLARENCE ADAIR RHODES. Buchanan, Va. 1016 *N. Broadway.*
A. B., Randolph-Macon College, 1903.

CHARLES WOODWARD RILEY. Baltimore. 1113 *Madison Av.*
A. B., Johns Hopkins University, 1903.

MARY JANE ROSS. Waverly, N. Y. 529 *N. Wolfe St.*
A. B., Cornell University, 1898, and Ph. D., 1902; Woman's Medical College of Pennsylvania, 1898-99; A. M., University of Pennsylvania, 1900.

EDGAR POE SANDROCK. Baltimore. 1242 *N. Broadway.*
A. B., Johns Hopkins University, 1903.

HIRAM SIBLEY SCHUMACHER. Rochester, N. Y. 1706 *E. Monument St.*
Ph. B., University of Rochester, 1903.

RAYMOND BROWN SCOFIELD. Hemet, Cal. 2443 *E. Biddle St.*
S. B., University of Rochester, 1902.

WILL FARQUHAR SHALLENBERGER. Edgewood, Pa. 212 *N. Broadway.*
A. B., Washington and Jefferson College, 1903.

CLARENCE ALBERT SHORE. Winston-Salem, N. C. 422 *N. Broadway.*
S. B., University of North Carolina, 1901, M. S., 1902, and Medical Department, 1903-04.

GEORGE ARTHUR SMITH. Hartford, Conn. 111 *Jackson Pl.*
A. B., Yale University, 1903.

JOSEPH TATE SMITH, JR. Baltimore. *The Cecil, N. Eutaw St.*
A. B., Johns Hopkins University, 1903.

CHARLES GRANVILLE SOUDER. Lafayette, Ind. 12 *N. Ann St.*
S. B., Ohio State University, 1903.

CHARLES HENRY STUBENRAUCH. Baltimore. 2027 *McCulloh St.*
A. B., Johns Hopkins University, 1903.

WILLIAM M. THALHIMER. Richmond, Va. 1525 *N. Broadway.*
S. B., Richmond College, 1903; Cornell University, Summer Sessions of 1902 and 1903.

CHARLES HENRY TURKINGTON. Morris, Conn. 1717 *Fairmount Av.*
Ph. B., Yale University, 1903.

PERCY THEODORE WATSON. Northfield, Minn. 1019 *N. Broadway.*
A. B., Carleton College, 1903.

WILLIAM HENDERSON WHITE. Carlisle, Pa. 422 *N. Broadway.*
A. B., Dickinson College, 1903.

UDO JULIUS WILE. New York, N. Y. 131 *Jackson Pl.*
A. B., Columbia University, 1904, and Medical Department, 1903-04.

MILTON CHARLES WINTERNITZ. Baltimore. 116 *S. Broadway.*
A. B., Johns Hopkins University, 1903.

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Second Year

SOLOMON JACOB APPELBAUM. Rochester, N. Y. 129 *N. Broadway.*
A. B., University of Rochester, 1904.

JOSEPH ROBSON BROMWELL BRANCH. Ellicott City. 1314 *McCulloh St.*
A. B., Johns Hopkins University, 1904.

[illegible] [illegible] N. C. 12 N. Ann St.
[illegible]

[illegible] [illegible] N. Y. 318 N. Broadway.
[illegible]

[illegible] [illegible] Mo. 169 Jackson Pl.
[illegible]

[illegible] [illegible] W. Va. 169 Jackson Pl.
[illegible]

[illegible] [illegible] Ia. 1743 Jefferson St.
[illegible]

[illegible] [illegible] Conn. 120 Jackson Pl.
[illegible]

[illegible] [illegible] Conn. 1636 Ashland Av.
[illegible]

[illegible] [illegible] 867 Hollins St.
[illegible]

[illegible] [illegible] W. Va. 1022 N. Broadway.
[illegible] University, 1904.

[illegible] [illegible] 4[illegible] E. Schroeder St.
[illegible]

[illegible] [illegible] 2001 E. Monument St.
[illegible]

[illegible] [illegible] 120 Jackson Pl.
[illegible]

[illegible] [illegible] 1730 Fairmount Av.
[illegible]

[illegible] [illegible] 847 Ducatel St.
[illegible]

[illegible] [illegible] Av., Hampden.
[illegible]

[illegible] [illegible] Wis. 1615 E. Biddle St.
[illegible]

[illegible] [illegible] 529 N. Wolfe St.
[illegible]

[illegible] [illegible] Md. 14[illegible] E. Chase St.
[illegible]

[illegible] [illegible] 31[illegible] N. Broadway.
[illegible]

[illegible] [illegible] 31[illegible] N. Broadway.
[illegible] Johns Hopkins University.

[illegible] [illegible] 11[illegible] Jackson Pl.
[illegible]

[illegible] [illegible] 12[illegible] Jackson Pl.
[illegible] University of Wisconsin.

RANDOLPH MACON GRIMM. Stephens City, Va. 1016 *N. Broadway.*
A. B., Randolph-Macon College, 1902, and A. M., 1903.

WILLIAM EDWARD GROVE. Madison, Wis. 1119 *N. Caroline St.*
A. B., University of Wisconsin, 1904.

FREDERICK FRETAGEOT GUNDRUM. Riverside, Cal. 104 *Jackson Pl.*
A. B., Leland Stanford Jr. University, 1903.

SYLVAN LEWIS HAAS. Grass Valley, Cal. 1637 *E. North Av.*
S. B., University of California, 1904.

FREDERIC MOIR HANES. Winston-Salem, N. C. 520 *N. Broadway.*
A. B., University of North Carolina, 1903; A. M., Harvard University, 1904.

HENRY HANSON. Vermilion, S. Dak. 26 *S. Broadway.*
A. B., University of South Dakota, 1902.

PAUL WILBERFORCE HARRISON. Scribner, Neb. 1802 *E. Monument St.*
A. B., University of Nebraska, 1905, and Medical Department, 1903-05.

WILLIAM HARRY HIGGINS. Stanford, Ky. 2220 *E. Madison St.*
A. B., Central University (Ky), 1904.

MINER CLIFFORD HILL. Trenton, N. J. 1720 *Fairmount Av.*
S. B., Princeton University, 1904.

CHARLES AUGUSTUS LAMONT. Albion, N. Y. 122 *Jackson Pl.*
A. B., Yale University, 1905.

WILBUR LESLIE LECRON. Baltimore. 1410 *Mt. Royal Av.*
A. B., Johns Hopkins University, 1904.

EDWARD EMANUEL LINDEMAN. New York, N. Y. 519 *N. Wolfe St.*
Ph. B., Yale University, 1905.

JANVIER WHITTON LINDSAY. Washington, D. C. 1506 *N. Broadway.*
A. B., Columbia University, 1904.

HARRY WALTER MASENHEIMER. Manchester. 1020 *N. Broadway.*
A. B., St. John's College, 1904.

CHARLES HENRY MAY. Manchester, Pa. 104 *Jackson Pl.*
A. B., Pennsylvania College, 1904.

ROBERT WILLIAM BAINBRIDGE MAYO. Hyattsville. 1215 *John St.*
A. B., Maryland Agricultural College, 1903, and M. S., 1904.

JAMES ALPHONSUS MCCANN. Providence, R. I. 2001 *E. Monument St.*
Ph. B., Brown University, 1904.

ROY DONALDSON MCCLURE. Columbus, O. 12 *N. Ann St.*
A. B., Ohio State University, 1904.

PATRICK JOSEPH MCDONNELL. Archbold, Pa. 1734 *E. Fayette St.*
Ph. B., Wesleyan University (Conn.), 1904.

CHARLES WILSON MILLS. Pittsfield, Mass. 1820 *N. Broadway.*
A. B., Williams College, 1902.

WARREN P. MORRILL. Benton Harbor, Mich. *Rosebank Av., Govans.*
Ph. B., University of Michigan, 1898; University of Illinois (Med. Dept.), 1904-1905.

EDWARD LYELL GUNTS. Baltimore. 1127 *Harlem Av.*
The Deichmann School. *Group III.*

FREDERICK HOME HACK, JR. Baltimore. 1211 *St. Paul St.*
University School. *Group VI.*

ORMOND WILLSON HAMMOND, JR. Baltimore. 1418 *Harlem Av.*
Baltimore City College, 1903. *Group VI.*

CONRAD HARDECKER. Baltimore. 2516 *E. Fairmount Av.*
Baltimore City College, 1899. *Group VI.*

WESTON O'BRIEN HARDING. Baltimore. 142 *N. Broadway.*
Baltimore City College, 1904. *Group I.*

HENRY PATTERSON HARRIS. Baltimore. 511 *Park Av.*
Baltimore Country School. *Group VI.*

MORTON EMANUEL HECHT. Baltimore. 1616 *Eutaw Pl.*
University School. *Group III.*

ERNEST SINGLETON HENDRY. Washington, D. C. 1719 *McCulloh St.*
Columbian University. *Group II.*

JOSEPH STEUART HILL. Baltimore. 1200 *Madison Av.*
Baltimore City College, 1903. *Group III.*

EDWARD TREMAINE HILLS. Baltimore. 1610 *John Street.*
Baltimore City College, 1904. *Group VI.*

FRANK GLEN HOLMES. Baltimore. 1629 *Mulberry St.*
Baltimore City College, 1905. *Group VI.*

JOHN FREDERICK HUNTER. Baltimore. 807 *N. Fremont Av.*
Baltimore City College, 1904. *Group II.*

WARREN BELKNAP HUNTING. Baltimore. 34 *W. Twenty-fifth St.*
University School. *Group VI.*

HENRY PARR HYNSON, JR. Baltimore. 504 *Forest R'd, Roland P'k.*
Boys' Latin School. *Group VI.*

IREDELL WADDELL IGLEHART. Baltimore. 12 *E. Lafayette Av.*
Baltimore Country School. *Group VI.*

WILLIAM RALPH JONES. Baltimore. 520 *N. Arlington Av.*
The Deichmann School. *Group IV.*

WILLIAM HENRY JURNEY, JR. Baltimore. 2134 *Bolton Av.*
Baltimore City College. *Group III.*

CALEB GUYER KELLY. Baltimore. 2010 *Linden Av.*
Baltimore City College, 1905. *Group VII.*

ARTHUR RUSSELL KNIPP. Baltimore. 2510 *Druid Hill Av.*
Baltimore City College, 1904. *Group II.*

JOHN AUBEL KRATZ. Baltimore. 1700 *N. Calhoun St.*
Baltimore City College, 1903. *Group III.*

HENRY HOFMANN LOOS. Baltimore. 524 *N. Pine St.*
Baltimore City College, 1905. *Group III.*

EDMUND CALVERT LYNCH. Baltimore. 2645 *N. Charles St.*
Baltimore Polytechnic Institute. *Group III.*

THOMAS GRESHAM MACHEN. Baltimore. 217 *W. Monument St.*
University School. *Group VII.*

HELEN WORTHINGTON. Cincinnati, O. 224 *E. Biddle St.*
A. B., University of Cincinnati, 1902, and Graduate Student, 1902-03.

JOSEPH KENT WORTHINGTON. Philadelphia, Pa. 432 *N. Broadway.*
A. B., Haverford College, 1903.

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First Year

CHARLES ROBERT AUSTRIAN. Baltimore. 1710 *McCulloh St.*
A. B., Johns Hopkins University, 1904.

WALTER ALBERT BAETJER. Baltimore. 2324 *Callow Av.*
A. B., Johns Hopkins University, 1905.

JAMES ALVIN BASS. Baltimore. *Catonsville.*
A. B., Johns Hopkins University, 1905.

JULIAN LEE BIRDSONG. Sparta, Ga. 1016 *N. Broadway.*
S. B., University of Nashville, 1899.

SAMUEL WALTHALL BUDD. Petersburg, Va. 1314 *McCulloh St.*
A. B., Hampden-Sidney College, 1904; Graduate Student, Johns Hopkins University, 1904-05.

MONTROSE THOMAS BURROWS. Halstead, Kan. 1408 *E. Biddle St.*
A. B., University of Kansas, 1905.

JAMES SMILEY BUSH, JR. Colquitt, Ga. 802 *N. Broadway.*
A. B., Emory College, 1905.

BENDER ZELOTES CASHMAN. New Oxford, Pa. 1725 *Jefferson St.*
A. B., Pennsylvania College, 1905.

ARTHUR BOND CECIL. Millersville. 802 *N. Broadway.*
A. B., St. John's College, 1905.

FLORENCE CHAPMAN CHILD. Philadelphia, Pa. 1219 *Madison Av.*
A. B., Bryn Mawr College, 1905.

WALTER FRANCIS COLE. Rockingham, N. C. 125 *Jackson Pl.*
S. B., Clemson College, 1902; A. B., University of North Carolina, 1905.

FRANCIS MARION CONFER. Monroe, Wis. 1025 *N. Broadway.*
A. B., University of Wisconsin, 1905.

HARRY LEWIS CONNETT. Athens, O. 424 *N. Broadway.*
Ph. B., Ohio University, 1905.

ERNEST COOPER. Columbia, S. C. 1641 *N. Caroline St.*
A. B., South Carolina College, 1900.

JENNINGS CRAWFORD. Cedar Rapids, Ia. 1330 *N. Caroline St.*
Ph. B., Coe College, 1905.

MAUD MELISSA DANIELS. N. Cambridge, Mass. 144 *Jackson Pl.*
A. B., Radcliffe College, 1903.

JAMES WATSON WILLIAMS DIMON. Utica, N. Y. 626 *N. Broadway.*
A. B., Williams College, 1905.

JOHN ROSCOE ELLIOTT. Laurel, Del. 525 *N. Fulton Av.*
A. B., Western Maryland College, 1905.

MAX W. EMMERT. Atlantic, Ia. 718 *N. Broadway.*
A. B., University of Iowa, 1905.

CHARLES RHEIN ESSICK. Reading, Pa. 122 *Jackson Pl.*
A. B., Yale University, 1905.

WILLIAM LAWRENCE ESTES, JR. South Bethlehem, Pa.
A. B., Lehigh University, 1905. 432 *N. Broadway.*

GEORGE EDMESTON FAHR. Meadville, Pa. 130 *Jackson Pl.*
S. B., University of Chicago, 1904.

THOMAS LUDLOW FERENBAUGH. Howard, O. 1019 *N. Broadway.*
A. B., Kenyon College, 1905.

ARTHUR OSCAR FISHER. Baraboo, Wis. 1025 *N. Broadway.*
A. B., University of Wisconsin, 1905.

H. QUIGG FLETCHER. Jackson, Ga. 802 *N. Broadway.*
A. B., University of Georgia, 1904; Student of Medicine, Tulane University, 1904–05.

ETHEL MATHEWS GIRDWOOD. West Orange, N. J. 1114 *McCulloh St.*
A. B., Bryn Mawr College, 1903.

THOMAS WILLIAM HARVEY, JR. Orange, N. J. 1734 *E. Fayette St.*
S. B., Princeton University, 1905.

WILLIAM ERNEST HART. Washington, Pa. 1019 *N. Broadway.*
S. B., Washington and Jefferson College, 1905.

WARREN WITHERELL HILDITCH. Thompsonville, Conn. 111 *Jackson Pl.*
Ph. B., Yale University, 1905.

PHILIP CHARLES JEANS. Hillsboro, O. 1408 *E. Biddle St.*
A. B., University of Kansas, 1904.

CHARLES RAWSON KINGSLEY, JR. West New Brighton, N. Y.
S. B., New York University, 1905. 702 *N. Broadway.*

BALDWIN MANN. Buffalo, N. Y. 106 *Jackson Pl.*
A. B., Williams College, 1905.

FRED M. MEADER. N. Haverhill, N.H. 1613 *N. Montford Av.*
S. B., Wesleyan University (Conn.), 1905.

PHILIP BALL MOSS. Fort Smith, Ark. 422 *N. Broadway.*
S. B., Central University (Ky.), 1905.

JAMES B. MURPHY. Morganton, N. C. 125 *Jackson Pl.*
S. B., University of North Carolina, 1905.

PATRICK IRELAND NIXON. Gonzales, Texas. 1711 *Fairmount Av.*
A. B., University of Texas, 1905.

GEORGE R. PRETZ. Steelton, Pa. 1725 *Jefferson St.*
S. B., Pennsylvania College, 1905.

ALICE ROHDÈ. Chicago, Ill. 144 *Jackson Pl.*
S. B., University of Chicago, 1903.

ANDREW WATSON SELLARDS. Scranton, Kan. 1408 *E. Biddle St.*
A. B., Kansas State University, 1903, and A. M., 1904.

MARY WORSDALE SPENCER. Baltimore. 1213 *N. Calvert St.*
A. B., Bryn Mawr College, 1905.

THOMAS PECK SPRUNT. Charleston, S. C. 1019 *N. Broadway.*
A. B., Davidson College, 1903.

LILLIAN GURINE STEVENSON. Tacoma, Wash. 129 *Jackson Pl.*
A. B., Whitworth College, 1905.

JAMES RUSSELL STEWART. Logansport, Ind. 1711 *Fairmount Av.*
A. B., Lake Forest College, 1905.

EDWARD WENTZ STICK. Glenville, Pa. 1014 *N. Broadway.*
A. B., Franklin and Marshall College 1904.

HERBERT SEDGEFIELD THOMSON. Berkeley, Cal. 305 *N. Broadway.*
S. B., University of California, 1904.

CHARLES EDWARD TROTTER. Franklin, N. C. 1210 *N. Bond St.*
S. B., N. C. College of Agriculture and Mechanic Arts, 1903; Graduate Student, Johns Hopkins University, 1904-05.

ROBERT LESTER WAITE. Hartford, Conn. 111 *Jackson Pl.*
Ph. B., Yale University, 1905.

ISAAC CHANDLER WALKER. Bridgton, Me. 1025 *W. Lanvale St.*
A. B., Johns Hopkins University, 1905.

WILLIAM GLENN WALLACE. Mattoon, Ill. 623 *Columbia Av.*
S. B., Hanover College, 1905.

EDGAR PERKINS WALLS. Barclay. 906 *N. Carey St.*
S. B., Maryland Agricultural College, 1903, and M. S., 1905.

DUNCAN CAMERON WALTON. Annapolis. 802 *N. Broadway.*
A. B., St. John's College, 1905.

LEON HARLAN WATKINS. Opelika, Ala. 424 *N. Broadway.*
A. B., Southern University, 1903, and A. M., 1905.

CLYDE EMIL WATSON. Kingwood, W. Va. 1641 *N. Caroline St.*
S. B., West Virginia University, 1905.

CHARLES WALLACE WEBB. Texarkana, Ark. 1725 *Jefferson St.*
S. B., University of Arkansas, 1905.

ARTHUR JAMES WIESENDER. Dartford, Wis. 433 *N. Broadway.*
A. B., Ripon College, 1905.

GUSTAV HERMAN WOLTERECK. Baltimore. 628 *E. Eager St.*
A. B., Johns Hopkins University, 1905.

WALTER SIMRALL WYATT. New Decatur, Ala. 1041 *N. Broadway.*
S. B., University of Alabama, 1904, and M. S., 1905.

IVA CATHERINE YOUMANS. Fairfax, S. C. 26 *S. Broadway.*
A. B., Converse College, 1897; New York University Summer School, 1904; Woman's Medical College of Baltimore, 1904-05.

PHYSICIANS ATTENDING SPECIAL COURSES, 1905-06

EDMUND M. BAEHR. Norwood, O. 802 *N. Broadway.*
M. D., Ohio Medical College, 1901. *Bacteriology.*

ARTHUR S. BAKER. Denver, Colo. *Hotel Belvedere.*
M. D., University of Denver, 1905. *Pathology (advanced).*

LESLIE T. BAKER. Boston, Mass. *The Clifton.*
M. D., Harvard Medical School, 1905. *Medicine (elementary).*

HUGH BAKER. Connellsville, Pa. 110 *Jackson Pl.*
M. D., University of Pennsylvania, 1901. *Operative Surgery and Medicine.*

JAMES E. S. BELL. Pittsburg, Pa.
M. D., Western University of Pennsylvania, 1905. *X-Ray Diagnosis.*

FRANCIS H. BROWN. Los Angeles, Cal.
M. D., University of Southern California, 1904. *Medicine.*

CHARNEY CALE. Independence, Ala.
M. D., Memphis Hospital Medical College, 1903. *Medicine (elementary).*

MICHAEL L. CASEY. Rochester, N. Y. *Hotel Hopkins.*
M. D., University of Pennsylvania, 1898. *Bacteriology and Surgical Pathology.*

REBECCA F. CLARK. Baltimore. 835 *Hamilton Terr.*
M. D., Woman's Medical College (Phila.), 1904. *Medicine (elementary).*

SAMUEL M. D. CLARK. New Orleans, La. 103 *Jackson Place.*
S. B., Louisiana State University, 1895; M. D., Tulane University, 1900. *Gynecological Pathology.*

TIMOTHY L. CONROY. Mt. Savage. 312 *St. Paul St.*
M. D., College of Physicians and Surgeons (Balt.), 1892. *Surgery.*

SETH DEBLOIS. Newport, R. I.
M. D., University of Maryland, 1905. *Medicine (elementary).*

ADELE RUSSELL EMERSON. Boston, Mass. 919 *St. Paul St.*
M. D., Woman's Medical College (Phila.), 1902. *Medicine (elementary), X-Ray Diagnosis, Pathology (advanced).*

JAMES T. ESLIN. Washington, D. C.
M. D., Georgetown University, 1891. *Medicine and Pediatrics.*

HARRY HARDING EVERITT. Lincoln, Neb. *Hotel Hopkins.*
M. D., Northwestern University, 1900. *Surgical Pathology.*

BRYCE W. FONTAINE. Barnes, La.
M. D., University of Pennsylvania, 1898. *Medicine (elementary).*

DAVIS FORSTER. St. Louis, Mo. 600 *N. Broadway.*
M. D., Barnes Medical School, 1896. *Gynecological Pathology.*

EDGAR B. FRIEDENWALD. Charleston, W. Va. 1616 *Linden Av.*
M. D., College of Physicians and Surgeons (Balt.), 1903. *Medicine (elementary).*

CATHERINE M. GOODSON. Hyattsville. 1425 *E. Biddle St.*
M. D., Southern Homeopathic Medical College (Balt.), 1902. *Clinical Microscopy and Pathology.*

NATHAN R. GORTER. Baltimore. 1 *W. Biddle St.*
M. D., University of Maryland, 1879. *Pathology (advanced).*

ARCHIBALD W. GRAHAM. Baltimore.
M. D., University of Maryland, 1905. *Genito-Urinary Surgery and Pathology.*

SEALE HARRIS. Union Springs, Ala. 600 *N. Broadway.*
M. D., University of Virginia, 1904. *Medicine.*

IRVIN HARDY. Davis, W. Va. 742 *W. Fayette St.*
M. D., Maryland Medical College, 1899, and College of Physicians and Surgeons (Balt.), 1903. *Medicine (elementary).*

ERNEST H. JOHNSTON. Baltimore.
M. D., University of Maryland, 1900. *Medicine (elementary).*

DANIEL P. KAPPELE. Hamilton, Ont.
M. D., University of Toronto, 1903. *Bacteriology and Pathology.*

RICHARD LAMAR. Milledgeville, Ga. 318 *N. Broadway.*
M. D., University of Georgia, 1902. *Pathology.*

EMANUEL LIBMAN. New York, N. Y.
M. D., College of Physicians and Surgeons (N. Y.), 1894. *Physiology and Physiological Chemistry.*

DUNCAN MACCALMAN. Baltimore.
M. D., Baltimore Medical College, 1895. *Operative Surgery.*

JOHN M. MACDONALD. Acton, W., Ont. 234 *S. Patterson Pk. Av.*
M. D. C. M., Trinity University (Toronto), 1897. *Gynecological Pathology (elementary).*

STEPHEN A. MAHADY. Hinsdale, Mass.
M. D., Baltimore Medical College, 1902. *Medicine and Operative Surgery.*

JAMES S. MCLESTER. Birmingham, Ala.
M. D., University of Virginia, 1899. *Medicine.*

ARTHUR H. MEYERS. Baltimore. 2002 *St. Paul St.*
M. D., Medico-Chirurgical College (Phila.), 1902. *Medicine.*

AUSTIN MILLER. Ferndale, Cal. 518 *N. Broadway.*
M. D., Cooper Medical College, 1899. *Cystoscopy, Operative Surgery, Gross Anatomy, and Surgical Pathology.*

CHARLOTTE B. MITCHELL. Philadelphia, Pa. 115 *W. Barre St.*
M. D., Woman's Medical College (Phila.), 1904. *Gynecological Pathology.*

HARPER PEDDICORD. Woodbine. 802 *N. Broadway.*
M. D., So. Homeopathic Med. Coll. (Balt.), 1899. *Genito-Urinary Surgery.*

JULIA L. PRINGLE. Edinburgh, Scotland. 518 *N. Broadway.*
M. B. Ch. B., University of Edinburgh, 1903. *Gynecological Pathology.*

JOSEPH W. ROWNTREE. Toronto, Ont. 802 *N. Broadway.*
M. D. C. M., Trinity University (Toronto), 1903. *Pathology and Bacteriology and Operative Surgery.*

CLIFFORD T. SAPPINGTON. Frederick. 1101 *N. Broadway.*
M. D., University of Maryland, 1903. *Genito-Urinary Surgery.*

RICHARD E. SHURTZ. Champaign, Ill. 318 *N. Broadway.*
M. D., Rush Medical College, 1897. *Operative Surgery and Surgical Pathology.*

JOHN A. SPERRY. Marshallville, Ga. 802 *N. Broadway.*
M. D., Tulane University, 1905. *Pathology, Bacteriology, and X-Ray Diagnosis.*

WILLIAM N. SWIFT. New Bedford, Mass. *The Stafford.*
M. D., Harvard University, 1881. *Operative Surgery.*

HARRISON K. WALTERHOUSE. Indianapolis, Ind.
M. D., Indiana Medical College, 1904. *Gross Anatomy.*

ALFRED S. WEISS. Lebanon, Pa. 110 *Jackson Pl.*
M. D., Medico-Chirurgical College (Phila.), 1902. *Operative Surgery.*

JOSEPH B. WEBSTER. Baltimore. 335 *Equitable Bldg.*
M. D., Hahnemann Medical College (Chicago), 1896. *Obstetrics.*

FRANCIS M. YOUNG. Baltimore. 1701 *N. Charles St.*
Bacteriology.

PHYSICIANS ATTENDING SPECIAL COURSES DURING 1905

[Too late for the Register for 1904-05]

ROSS ANDERSON. Mantel, Utah.
College of Physicians and Surgeons (Balt.). *Gynecological Pathology.*

CHARLES O. BOSWELL. Rochester, N. Y.
M. D., University of Buffalo, 1896. *Gynecological Pathology.*

CHARLES T. BUCKNER. Baltimore.
M. D., University of Maryland, 1899. *Pathology.*

WILLIAM L. BURKE. Baltimore.
M. D., Baltimore Medical College, 1902. *Pathology.*

ROBERT A. BURNS. Coal City, Ala.
M. D., Vanderbilt University, 1901. *Medicine.*

JOSEPH A. COX. Albany, N. Y.
M. D., Albany Medical College, 1901. *Surgical Pathology and Pathology.*

CHARLES E. DOUBLEDAY. Penn Yan, N. Y.
M. D., Syracuse University, 1887. *Operative Surgery.*

LOUIS DROSIN. New York, N. Y.
M. D., Baltimore Medical College, 1905. *Medicine.*

ALICE ERNST. Jhansi, India.
M. D., Woman's Medical College (Phila.), 1883. *Operative Surgery and Obstetrics.*

HERMANN B. GESSNER. New Orleans, La.
M. D., Tulane University, 1895. *Operative Surgery and Surgical Pathology.*

MALCOLM GOODRIDGE. New York, N. Y.
M. D., College of Physicians and Surgeons (N. Y.), 1898. *Medicine.*

MARY E. HAGADORN. Pasadena, Cal.
M. D., University of Southern California, 1902. *Medicine.*

EDWARD L. HANES. Rochester, N. Y.
M. D., Albany Medical College, 1899. *Medicine.*

EUGENE H. HAYWARD. Baltimore.
M. D., Baltimore Medical College, 1901. *Pathology.*

ARTHUR HEBB. Baltimore.
M. D., Baltimore Medical College, 1898. *Operative Surgery.*

ALFRED F. HOPKINS. Washington, D. C.
M. D., Georgetown University, 1903. *Medicine.*

FRANCIS J. KIRBY. Baltimore.
M. D., University of Maryland, 1902. *Surgical Pathology.*

JOHN G. LILLY. Rodney, Miss.
M. D., Tulane University, 1899. *Medicine.*

SAMUEL LOGAN. New Orleans, La.
M. D., Tulane University, 1900. *Operative Surgery and Surgical Pathology.*

JOSEPH D. MARTIN. New Orleans, La.
M. D., Tulane University, 1903. *Operative Surgery and Surgical Pathology.*

MARS MCCLELLAND. Peterboro, Ont.
M. D. C. M., University of Edinburgh, 1890, and Royal College of Physicians and Surgeons, London, 1896. *Operative Surgery.*

EVAN W. MEREDITH. Pittsburgh, Pa.
M. D., Medical Chirurgical (Phila.), 1901. *Surgical Pathology.*

OLIVER L. POTHIER. New Orleans, La.
M. D., Tulane University, 1889. *Surgical Pathology and Pathology.*

HARRY P. RITCHIE. St. Paul, Minn.
M. D., University of Minnesota, 1896. *X-Ray Diagnosis and Surgical Pathology.*

DESSIE B. ROBERTSON. Boulder, Colo.
M. D., University of Colorado, 1904. *Pathology and Surgical Pathology.*

WILLIAM SMITH. Baltimore.
M. D., University of Maryland, 1883. *Cystoscopy.*

JOHN A. SPERRY. Marshallville, Ga.
M. D., Tulane University, 1905. *Medicine.*

HARRISON S. THURSTON. Indianapolis, Ind.
M. D., Indiana Medical College, 1904. *Gynecological Pathology.*

JOHN BENNETT TOWNSEND. Anderson, S. C.
M. D., University of Virginia, 1896. *Medicine (elementary).*

WILLIAM A. WARDNER. St. Regis Falls, N. Y.
M. D., Albany Medical College, 1899. *Medicine (elementary).*

GEORGE S. YOUNG. Prescott, Ont.
M. B., University of Toronto, 1895. *Medicine (elementary).* (31)

UNDERGRADUATE STUDENTS*

MATRICULATES

ALFRED GORDON ARMSTRONG. Baltimore. 1700 *Bolton St.*
Baltimore City College. *Group III.*

CARLYLE BARTON. Baltimore County. *Pikesville.*
Boys' Latin School. *Group VI.*

WILLIAM EDWIN BIRD, JR. Baltimore. 412 *E. Randall St.*
Baltimore City College, 1904. *Group III.*

DAVID SIMON BLONDHEIM. Baltimore. 714 *Newington Av.*
Baltimore City College, 1903. *Group VI.*

ARTHUR LEONARD BLOOMFIELD. Baltimore. 861 *Park Av.*
Boys' Latin School. *Group III.*

ALLEN STRAFFORD BOWIE. Baltimore. 811 *Hamilton Terr.*
Lawrenceville School. *Group VI.*

STUART BOYER. Baltimore. 1526 *McCulloh St.*
University School. *Group VI.*

HUGH MCCULLOH BRANHAM. Baltimore. 2200 *Eutaw Pl.*
Baltimore City College, 1904. *Group III.*

OSCAR ELLIS BRANSKY. Baltimore. 2049 *Wilkens Av.*
Baltimore City College, 1904. *Group III.*

WALTER STEWART BRAUNS. Baltimore. 1341 *Mt. Royal Av.*
Boys' Latin School. *Group II.*

BENJAMIN FRANCIS PARLETT BRENTON. Baltimore. 722 *W. Fayette St.*
Baltimore City College, 1905. *Group III.*

EVELETH WILSON BRIDGMAN. Baltimore County. *Woodbrook.*
Baltimore City College, 1905. *Group III.*

THOMAS GORSUCH CAMPBELL. Baltimore County. *Owings Mills.*
Boys' Latin School. *Group VI.*

HARRY LINGAN CAPLES. Baltimore County. *Cockeysville.*
The Deichmann School. *Group VI.*

THOMAS RODNEY CHAMBERS. Baltimore. 18 *W. Franklin St.*
The Deichmann School. *Group III.*

ALAN MASON CHESNEY. Baltimore. 1821 *Bolton St.*
Baltimore City College, 1905. *Group III.*

JACOB COHEN. Baltimore. 1000 *N. Gay St.*
Baltimore City College, 1905. *Group III.*

HENRY THEODORE COLLENBERG. Baltimore. 1810 *E. Baltimore St.*
The Deichmann School. *Group III.*

JOHN ALDEN CRANE. Baltimore County. *Pikesville.*
University School. *Group VII.*

JAMES CURLANDER. Baltimore. 2007 *Eutaw Pl.*
Private Instruction. *Group VI.*

WILLIAM EDWIN CURLEY, JR. Anne Arundel County. *Millersville.*
The Deichmann School. *Group II.*

* The group numbers here given refer to the old system.

HORACE HATCH CURTIS. Washington, D. C. 851 *Park Av.*
Friends' School (D. C.). *Group II.*

WILLIAM ALEXANDER DICKEY, JR. Baltimore. 603 *Cathedral St.*
Private Instruction. *Group VI.*

LEWIS ALAN DILL. Baltimore. 3102 *Clifton Av.*
The Wolfe School. *Group III.*

BARUCH MORDECAI EDLAVITCH. Baltimore. 1136 *E. Pratt St.*
Baltimore City College. *Group III.*

STANLEY STRAUSS EISEMAN. Baltimore. 1615 *Eutaw Pl.*
University School. *Group VI.*

WILLIAM CONLYN ELIASON, JR. Baltimore. 111 *Conway St.*
Baltimore City College, 1905. *Group VI.*

DANIEL ELLISON. Baltimore. 137 *S. Bond St.*
Baltimore City College, 1904. *Group II.*

ABIATHAR WILLIAM FIELD. Baltimore. 2117 *12th St., Walbrook.*
University of Wisconsin. *Group VI.*

ALBERT JOSEPH FLEISCHMANN. Baltimore. 1508 *Bolton St.*
Baltimore City College, 1904. *Group VI.*

HENRY FINDLAY FRENCH. Baltimore. 1016 *Cathedral St.*
Baltimore Country School. *Group VI.*

VICTOR MAX FREY. York, Pa. 1326 *N. Mount St.*
York High School. *Group II.*

HIRAM FRIED. Baltimore. 305 *N. Gay St.*
The Deichmann School. *Group III.*

ROGERS HARRISON GALT, JR. Williamsburg, Va. 918 *St. Paul St.*
Lynchburg High School. *Group V.*

JOHN SLADE GERMAN. Baltimore. 3634 *Falls Road.*
The Deichmann School. *Group I.*

WALLIS GIFFEN. Baltimore. 1004 *N. Charles St.*
Boys' Latin School. *Group VI.*

WILLIAM RICKERT GLEN. Baltimore. 2518 *Pennsylvania Av.*
Baltimore City College, 1904. *Group VI.*

THOMAS RASIN GODEY. Baltimore. 1704 *N. Calvert St.*
The Hilbert School. *Group VI.*

WILLIAM STUART GORTON. Baltimore. 823 *Newington Av.*
Baltimore City College, 1905. *Group II.*

CLARENCE PEMBROKE GOULD. Baltimore. 508 *E. Twenty-third St.*
Baltimore City College, 1904. *Group VI.*

ALBERT GRAUER. Baltimore. 1029 *N. Broadway.*
Baltimore City College, 1904. *Group III.*

JOSEPH ELLIOTT GREEN. Baltimore. 3333 *Chestnut Av., Hampden.*
Baltimore City College, 1905. *Group VII.*

ALVIN GREIF. Baltimore. 1710 *Eutaw Pl.*
University School. *Group III.*

JAMES FULLERTON GRESSITT. Baltimore. 1120 *Mosher St.*
Baltimore City College, 1903. *Group II.*

GEORGE MITCHELL GRIFFITH. Baltimore. 603 *Reservoir St.*
Boys' Latin School. *Group VI.*

EDWARD LYELL GUNTS. Baltimore. 1127 *Harlem Av.*
The Deichmann School. *Group III.*

FREDERICK HOME HACK, JR. Baltimore. 1211 *St. Paul St.*
University School. *Group VI.*

ORMOND WILLSON HAMMOND, JR. Baltimore. 1418 *Harlem Av.*
Baltimore City College, 1903. *Group VI.*

CONRAD HARDECKER. Baltimore. 2516 *E. Fairmount Av.*
Baltimore City College, 1899. *Group VI.*

WESTON O'BRIEN HARDING. Baltimore. 142 *N. Broadway.*
Baltimore City College, 1904. *Group I.*

HENRY PATTERSON HARRIS. Baltimore. 511 *Park Av.*
Baltimore Country School. *Group VI.*

MORTON EMANUEL HECHT. Baltimore. 1616 *Eutaw Pl.*
University School. *Group III.*

ERNEST SINGLETON HENDRY. Washington, D. C. 1719 *McCulloh St.*
Columbian University. *Group II.*

JOSEPH STEUART HILL. Baltimore. 1200 *Madison Av.*
Baltimore City College, 1903. *Group III.*

EDWARD TREMAINE HILLS. Baltimore. 1610 *John Street.*
Baltimore City College, 1904. *Group VI.*

FRANK GLEN HOLMES. Baltimore. 1629 *Mulberry St.*
Baltimore City College, 1905. *Group VI.*

JOHN FREDERICK HUNTER. Baltimore. 807 *N. Fremont Av.*
Baltimore City College, 1904. *Group II.*

WARREN BELKNAP HUNTING. Baltimore. 34 *W. Twenty-fifth St.*
University School. *Group VI.*

HENRY PARR HYNSON, JR. Baltimore. 504 *Forest R'd, Roland P'k.*
Boys' Latin School. *Group VI.*

IREDELL WADDELL IGLEHART. Baltimore. 12 *E. Lafayette Av.*
Baltimore Country School. *Group VI.*

WILLIAM RALPH JONES. Baltimore. 520 *N. Arlington Av.*
The Deichmann School. *Group IV.*

WILLIAM HENRY JURNEY, JR. Baltimore. 2134 *Bolton Av.*
Baltimore City College. *Group III.*

CALEB GUYER KELLY. Baltimore. 2010 *Linden Av.*
Baltimore City College, 1905. *Group VII.*

ARTHUR RUSSELL KNIPP. Baltimore. 2510 *Druid Hill Av.*
Baltimore City College, 1904. *Group II.*

JOHN AUBEL KRATZ. Baltimore. 1700 *N. Calhoun St.*
Baltimore City College, 1903. *Group III.*

HENRY HOFMANN LOOS. Baltimore. 524 *N. Pine St.*
Baltimore City College, 1905. *Group III.*

EDMUND CALVERT LYNCH. Baltimore. 2645 *N. Charles St.*
Baltimore Polytechnic Institute. *Group III.*

THOMAS GRESHAM MACHEN. Baltimore. 217 *W. Monument St.*
University School. *Group VII.*

DONALD MACKENZIE. Weatherford, Texas. 1203 *Madison Av.*
Hughey and Turner School. *Group III.*

RICHARD MACSHERRY. Baltimore County. *Roland Park.*
Boys' Latin School. *Group VI.*

WILLIAM BOSE MARYE. Baltimore. 14 *E. Preston St.*
University School. *Group I.*

JOHN MABRY MATHEWS. Baltimore. 1010 *N. Fulton Av.*
Baltimore City College. *Group VI.*

ROBERT HENRY MCCAULEY. Hagerstown. 1211 *Madison Av.*
Washington County High School. *Group VI.*

THOMAS WILBUR MEADS. Baltimore County. *Towson.*
Milton Academy. *Group VI.*

CARL KILLMANN MENGEL. Baltimore. 721 *N. Broadway.*
The Deichmann School. *Group VI.*

JOHN BEAVER MERTIE, JR. Raton, N. Mex. 1213 *N. Gilmor St.*
Baltimore City College, 1905. *Group III.*

CHARLES FERDINAND MEYER. Baltimore. 2301 *Eutaw Pl.*
Friends' School. *Group II.*

AUSTIN RALPH MIDDLETON. Baltimore. 334 *Elm Av., Hampden.*
Baltimore City College, 1901. *Group III.*

FRANCIS MORRIS MILLER. Baltimore. 1202 *N. Calvert St.*
Boys' Latin School. *Group II.*

EDMOND HARRIS MORSE. Baltimore. *The Cecil, N. Eutaw St.*
Baltimore City College. *Group VII.*

ADDIS EMMET MOSELEY. Baltimore. 614 *N. Howard St.*
The Wolfe School. *Group VII.*

WALTER EMIL MYERS. Baltimore. 1421 *W. Franklin St.*
Baltimore City College, 1904. *Group VII.*

FIRMADGE KING NICHOLS. Baltimore. 535 *N. Carrollton Av.*
Boys' Latin School. *Group III.*

EDWARD WILLIAM ORTMANN. Baltimore. 1713 *Fairmount Av.*
Baltimore City College, 1903. *Group II.*

ARTHUR RANKIN PADGETT. Baltimore. 1013 *N. Broadway.*
Baltimore City College, 1904. *Group VI.*

BERNARD MARK PARELHOFF. Baltimore. 812 *W. Lombard St.*
Baltimore City College, 1904. *Group II.*

ALAN WARREN PEASE. Washington, D. C. 1314 *McCulloh St.*
Washington High School. *Group IV.*

PETER PECK. Brooklyn, N. Y. 736 *N. Eutaw St.*
Private Instruction. *Group VI.*

CHARLES FREDERICK PIETSCH. Baltimore. 756 *Reservoir St.*
Baltimore City College, 1904. *Group III.*

WILLIAM PLEET. Baltimore. 1531 *E. Pratt St.*
Baltimore City College, 1904. *Group VI.*

GEORGE PITTS RALEIGH. Baltimore. 2212 *Eutaw Pl.*
Baltimore City College, 1904. *Group VI.*

WILLIAM ANDREW AUGUST REINHARDT. Baltimore. 1339 *Hull St.*
Baltimore City College, 1904. *Group III.*

LEONEL FOSQUE REVELL. Baltimore. 1147 *N. Carey St.*
Boys' Latin School. *Group VI.*

STANLEY MEADE REYNOLDS. Baltimore. 809 *N. Charles St.*
Baltimore City College, 1904. *Group VI.*

JULIAN WHITE RIDGELY. Baltimore County. *Towson.*
Baltimore Country School. *Group VI.*

LEWIS BAYARD ROBINSON, JR. Baltimore. 306 *E. Twenty-second St.*
Baltimore City College, 1903. *Group I.*

HERMAN FREDERICK ROLKER. Baltimore. 612 *S. Paca St.*
Baltimore City College, 1904. *Group III.*

THOMAS DECOURSEY RUTH. Baltimore. 1807 *St. Paul St.*
Boy's Latin School. *Group I.*

MAURICE ROLAND SCHMIDT. Baltimore. 2906 *Parkwood Av.*
Baltimore City College, 1903. *Group III.*

GEORGE HENRY CHARLES SCHWARTZ. Baltimore. 121 *N. Schroeder St.*
Baltimore City College, 1905. *Group VII.*

WILLIAM HERDMAN SCHWATKA. Baltimore. 1003 *N. Broadway.*
The Deichmann School. *Group VI.*

REGINALD OLIVER SELLMAN. Baltimore. *The Mount Royal.*
Boys' Latin School. *Group III.*

E. LELAND SHACKELFORD. Ottoman, Va. 219 *Woodlawn R'd, Roland P'k.*
The Deichmann School. *Group VI.*

JOSEPH THEOPHILUS SINGEWALD, JR. Baltimore. 318 *S. Broadway.*
Baltimore City College, 1903. *Group II.*

KARL SINGEWALD. Baltimore. 318 *S. Broadway.*
Baltimore City College, 1904. *Group VI.*

WILLIAM LEONARD SIOUSSAT. Baltimore County. *Lake Roland.*
University School. *Group II.*

EDWARD HINMAN SIRICH. Baltimore. 3011 *Clifton Av.*
Baltimore City College, 1903. *Group III.*

WILLIAM KNEPPER SKILLING. Lonaconing. 1721 *McCulloh St.*
Shady Side Academy (Pittsburg). *Group VI.*

B. HOLLY SMITH, JR. Baltimore. 1007 *Madison Av.*
Jacob Tome Institute. *Group III.*

WILLIAM CONWELL SMITH. Baltimore. 1007 *Madison Av.*
Jacob Tome Institute. *Group III.*

HENRY WILLIAM SNYDER. Baltimore. 1515 *N. Caroline St.*
Baltimore City College, 1903. *Group I.*

JOSEPH EDWARD SNYDER. Baltimore. 1506 *N. Broadway.*
The Deichmann School. *Group I.*

DAVID CORBIN STREETT. Baltimore. 712 *Park Av.*
Baltimore City College, 1905. *Group III.*

DAVID ELI STROUSE. Baltimore. 1808 *Madison Av.*
University School. *Group III.*

PHILIP LOUIS SYKES. Baltimore. 115 *N. Bond St.*
Baltimore City College, 1905. *Group VI.*

JOSEPH TODHUNTER WARE. Baltimore. 1930 *Madison Av.*
Baltimore City College, 1904. *Group VII.*

HORACE WINFIELD WEBSTER. Baltimore. 15 *N. Chester St.*
The Deichmann School. *Group IV.*

PAUL WEGEFARTH. Baltimore. 1207 *E. Monument St.*
Baltimore City College, 1905. *Group VI.*

EMANUEL GEORGE ZIES. Baltimore. *Athol Terrace (P. O. Sta. D.).*
Baltimore City College, 1903. *Group III.*

PAUL HUDSON ZINKHAN. Washington, D. C. *Washington.*
The Deichmann School. *Group III.*

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CANDIDATES FOR MATRICULATION

GEORGE HINMAN ABEL. Baltimore. *Charles St. Av. (P. O. Sta. L.).*
Boys' Latin School. *Group II.*

CARL LEWIS BERNHARDT. Richmond, Ind. 1214 *Madison Av.*
Earlham College. *Group VI.*

JOHN MERRYMAN BLACK. Baltimore County. *Cockeysville.*
Lawrenceville School. *Group VII.*

WALTER LIPPS BLANCK. Baltimore. 520 *N. Fulton Av.*
The Deichmann School. *Group III.*

FRANK GOTTLOB BREYER. Baltimore. 827 *Edmondson Av.*
Baltimore City College, 1905. *Group III.*

NATHANIEL HAWLEY BRUSH. Baltimore County. *Towson.*
Boys' Latin School. *Group III.*

CHARLES WYTHE COOKE. Front Royal, Va. 1309 *John St.*
Baltimore City College, 1905. *Group II.*

CARL MARTIN DISTLER. Baltimore. 245 *S. Broadway.*
Baltimore City College, 1904. *Group II.*

ERNEST POHL DOETSCH. Baltimore. 733 *W. Lombard St.*
The Deichmann School. *Group III.*

EDMUND DOLEWCZYNSKI. Baltimore. 1741 *Canton Av.*
University of Chicago. *Group V.*

OTIS HERBERT DRAPER. Baltimore. 2607 *York Road.*
St. John's College. *Group I.*

FRANKLIN SCOTT GILBERT. Baltimore. 731 *Reservoir St.*
Baltimore City College, 1905. *Group III.*

FRANK NEWCOMER HACK. Baltimore. 1211 *St. Paul St.*
University School. *Group VI.*

HENRY KELLOGG HARDCASTLE. Denver, Colo. 11½ *W. Biddle St.*
Baltimore Country School. *Group II.*.

HERMAN JAMES HUGHES. Baltimore. 132 *S. Patterson Park Av.*
Boys' Latin School. *Group VI.*

HORACE VERNET LIPS. Baltimore County. *P. O. Station E.*
University School. *Group III.*

SAMUEL HALL LYON. Baltimore County. *Mt. Wilson.*
University School. *Group III.*

ARTHUR HERMAN MANN. Louisville, Ky. 807 *Lennox St.*
Louisville High School. *Preliminary Year.*

SELWYN WILLIAM MARCUS. Baltimore. 2249 *Eutaw Pl.*
University School. *Group V.*

CHARLES MCCURDY MATHIAS. Thurmont. 1915 *Park Av.*
University School. *Group VI.*

BENJAMIN ARCHIBALD MATTINGLY. La Plata. 925 *McCulloh St.*
Maryland Normal and Preparatory School. *Group VI.*

WILLIAM HOWARD MICHAEL. Harford County. 11½ *W. Biddle St.*
St. James School. *Preliminary Year.*

DANIEL MILLER. Baltimore. 605 *Park Av.*
Boys' Latin School. *Group VI.*

FRANKLIN BURCHE PEDRICK. Washington, D. C. 851 *Park Av.*
Washington High School. *Preliminary Year.*

LE GRAND WINFIELD PERCE, JR. Chicago, Ill. 1015 *Madison Av.*
Boys' Latin School. *Group VI.*

ISAAC POTTS. Baltimore. 2110 *E. Monument St.*
The Deichmann School. *Group III.*

HERBERT BRYAN PRICE. Haydens. 1617 *Madison Av.*
The Deichmann School. *Group III.*

FERDINAND OSCAR WOLFGANG REINHARD. Baltimore. 1400 *Linden Av.*
Boys' Latin School. *Group III.*

LAWRENCE MELVILLE RIDDLE. Baltimore County. 2102 *Eutaw Pl.*
Maryland School for the Blind. *Group VII.*

HARRY CHRISTIAN SCHMEISSER. Baltimore. 2401 *Eutaw Pl.*
Friends' School. *Group III.*

CHARLES FAGER SHRIVER. York, Pa. 224 *E. 20th St.*
Pennsylvania College. *Group II.*

JORDAN HERBERT STABLER. Baltimore. 339 *Dolphin St.*
Baltimore Country School. *Group VI.*

GEORGE ADOLPH STEWART. Baltimore. 522 *N. Carey St.*
Baltimore City College, 1904. *Group III.*

SAMUEL COOPER STEWART, II. Clearfield, Pa. 700 *N. Carrollton Av.*
The Deichmann School. *Group III.*

WILMER THEODORE STONE. Baltimore County. *Towson.*
Baltimore Polytechnic Institute. *Group VII.*

PHILIP GUTMAN STRAUS. Baltimore. 1628 *Eutaw Place.*
University School. *Group III.*

CHANNING ELLSWORTH SWEITZER. Glen Rock, Pa. *Govanstown.*
York Collegiate Institute. *Group V.*

RICHARD LLOYD TILGHMAN. Easton. 831 *N. Eutaw St.*
University School. *Group VI.*

WALDO AUGUST WERCKSHAGEN. Baltimore. 258 *W. Biddle St.*
The Deichmann School. *Group III.*

FRANCIS THOMAS WILLIAMS. Poolesville. 1417 *W. Mulberry St.*
The Deichmann School. *Group III.*

RALPH COPLESTONE WILLIAMS. Baltimore. 1315 *N. Charles St.*
Baltimore City College, 1905. *Group VII.*

JOSEPH PURDON WRIGHT. Baltimore. 1700 *Guilford Av.*
Baltimore City College, 1905; LL. B., University of Maryland, 1906. *Group VI.*

HAMILTON BOYD WYLIE, JR. Baltimore. 303 *Robert St.*
The Deichmann School. *Group III.*

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SPECIAL STUDENTS

MAURICE ZACHARIAS BAIR. Hanover, Pa. 31 *E. Mt. Vernon Pl.*
United States Naval Academy. *Group II.*

EDWARD WILBER BERRY. Passaic, N. J. 100 *E. 26th St.*
Geology.

WILLIAM ANDREW CROMWELL. Baltimore. 1910 *Edmondson Av.*
Baltimore City College, 1905. *Group II.*

MILTON STRAUSS ERLANGER. Baltimore. *The Cecil, N. Eutaw St.*
University School. *Group II.*

EDWIN JONES FENBY. Baltimore. 1219 *N. Caroline St.*
The Wolfe School. *Group IV.*

SAMUEL JAY FISHER. Baltimore. 2228 *Druid Hill Av.*
Baltimore City College, 1905. *Group VI.*

HENRY S. FRANK. Baltimore. 1503 *Eutaw Pl.*
Baltimore City College, 1905. *Group VI.*

ALEXANDER MURDOCH GOW. Seattle, Wash. 902 *St. Paul St.*
University of Washington. *Group VI.*

THOMAS H. GRAVE. Monrovia, Ind. 218 *E. Twenty-third St.*
Earlham College. *Group III.*

SIDNEY GREENBAUM. Baltimore. 1908 *Eutaw Pl.*
University School. *Group II.*

WALDO HACK. Baltimore. 1211 *St. Paul St.*
University School. *Group VI.*

WILLIAM WEST HOLLAND. Eastville, Va. 1122 *Madison Av.*
University of Virginia. *Chemistry.*

JOHN MALLORY HOLMES. Baltimore. 1622 *Harlem Av.*
Baltimore City College, 1904. *Group VI.*

ALBERT DAVID HUTZLER. Baltimore. 1801 *Eutaw Pl.*
Friends' School. *Group II.*

WILLIAM D. PINKERTON. Baltimore. *Walbrook.*
Lehigh University. *Group II.*

JOHN STEWART SHAW. Macon, Ga. *Towson*
Michigan Agricultural College. *Chemistry.*

FREDERICK BEVAN TOUGH. Baltimore. 2311 *N. Charles St.*
The Deichmann School. *Group II.*

JOHANNES KARL ROBERT KONRAD UHLIG. Baltimore. 1411 *Linden Av.*
Gymnasium of St. Thomas, Leipzig. *Chemistry.*

(18)

ATTENDANTS ON SINGLE COURSES

WILLIAM SILVER BAYLESS. Baltimore. 2221 *St. Paul St.*
Lehigh University; Law School, University of Maryland. *Political Science.*

H. MELVIN BULL. Baltimore County. *Forest Park.*
Baltimore University School of Law. *English.*

JOHN CAWLEY. Springtown, Pa. 103 *N. Carey St.*
West Chester (Pa.) Normal School. *Biology.*

WILLIAM J. C. DICKEY. Baltimore. 2710 *N. Charles St.*
Maryland Institute. *Chemistry.*

HENRY A. B. DUNNING. Baltimore. 1522 *Mt. Royal Av.*
Maryland College of Pharmacy. *Chemistry.*

PHILIP IGNATIUS HEUISLER. Baltimore. 1807 *W. Baltimore St.*
Loyola College. *Chemistry.*

WILLIAM JAMES HOLLOWAY. Salisbury. 1018 *W. Lanvale St.*
Salisbury High School. *Chemistry.*

CHARLES JOHN KOCH. Baltimore. 2915 *E. Baltimore St.*
Baltimore City College, 1887. *Geology.*

HENRY REMICK NEESON. Baltimore. 1224 *W. Lafayette Av.*
Law School, University of Maryland. *Political Economy.*

(9)

GOVERNMENT OF THE JOHNS HOPKINS UNIVERSITY

FOR THE YEAR BEGINNING SEPTEMBER 1, 1905.

TRUSTEES

The Trustees are the ultimate source of authority in all matters pertaining to the University. They act collectively, through the standing committees named on page 2, and through the President of the University.

PRESIDENT

Ira Remsen

The duties of this office were thus defined by the Trustees, September 14, 1876:

The President of the University is the authorized means of communication between the Board and the various officers of instruction and administration employed in the University; it shall be his duty to consult with the Professors in respect to the development of their various departments and the general interests of the University; to determine the appropriate duties of the Associates and Fellows; and to exercise such superintendence over the buildings, apparatus, books, and other property as will insure their protection and appropriate use. In respect to these matters and all others which concern the welfare of the University, he shall consult frequently with the Executive Committee, and he shall attend the meetings of the Board of Trustees. Purchases, alterations, repairs, and other incidental expenses must not be ordered by any of the officers of the University without his previous assent, or the expressed authority of the Board.

By resolution of the Trustees, May 2, 1892, the President of the University was constituted a member *ex officio* of the Board, and also *ex officio* a member of the Executive Committee.

ACADEMIC COUNCIL

Ira Remsen (*Pres.*)	W. H. Welch	Henry Wood
B. L. Gildersleeve	E. H. Griffin (*Sec'y*)	W. B. Clark
Paul Haupt	A. M. Elliott	J. S. Ames

By authority of the Trustees, the Academic Council (now consisting of the President and eight Professors) has met since the organization of the University to guide the various departments of study, to select the Fellows, and to act upon such other matters as may be brought before them.

BOARD OF UNIVERSITY STUDIES

Ira Remsen (*Pres.*)	W. B. Clark	W. W. Willoughby
B. L. Gildersleeve	J. S. Ames	E. H. Spieker
Paul Haupt	Frank Morley	E. A. Andrews
W. H. Welch	H. F. Reid	C. W. E. Miller
E. H. Griffin	R. W. Wood	B. J. Vos
W. K. Brooks	K. F. Smith	Christopher Johnston
Maurice Bloomfield	J. M. Baldwin	E. C. Armstrong
A. M. Elliott	G. M. Stratton	Philip Ogden
H. N. Morse	J. H. Hollander	D. S. Johnson
Henry Wood	E. B. Mathews	H. L. Wilson
W. H. Howell	H. C. Jones	J. B. Whitehead
J. W. Bright	J. M. Vincent	J. C. Ballagh
W. Hand Browne	C. C. Marden	

By request of the Academic Council (October 8, 1883), this Board, consisting of the President, twenty-six Professors and eleven Associate Professors, has charge of the arrangements for the instruction of graduate students, and of the examinations for the degree of Doctor of Philosophy.

ADVISORY BOARD OF THE MEDICAL FACULTY

Ira Remsen (*Pres.*)	H. A. Kelly	W. H. Howell (*Dean*)
W. H. Welch	F. P. Mall	J. W. Williams
H. M. Hurd	J. J. Abel	L. F. Barker
W. S. Halsted	W. K. Brooks	

This Board was constituted by resolution of the Trustees (April 3, 1893) "to report to the Trustees from time to time their suggestions, and to prepare and carry forward the proper arrangements for the instruction and graduation of medical students."

BOARD OF MEDICAL STUDIES

Ira Remsen (*Pres.*)	T. C. Gilchrist	F. R. Smith
W. H. Welch	H. J. Berkley	Thomas McCrae
H. M. Hurd	J. M. T. Finney	G. L. Hunner
H. A. Kelly	R. G. Harrison	Samuel Amberg
W. K. Brooks	W. W. Russell	C. P. Emerson
W. S. Halsted	T. S. Cullen	H. O. Reik
J. J. Abel	R. L. Randolph	L. P. Hamburger
W. H. Howell	T. B. Futcher	T. R. Brown
F. P. Mall	Walter Jones	R. I. Cole
J. W. Williams	W. G. MacCallum	A. S. Loevenhart
W. S. Thayer	J. C. Bloodgood	W. S. Baer
L. F. Barker	Harvey Cushing	George Walker
W. D. Booker	P. M. Dawson	R. H. Follis
J. N. Mackenzie	H. H. Young	C. H. Bunting
Samuel Theobald	Joseph Erlanger	J. M. Slemons
H. M. Thomas	W. H. Lewis	W. W. Ford
J. W. Lord	F. R. Sabin	T. R. Boggs

This Board was created by resolution of the Trustees, January 6, 1902. It consists of the professors, clinical professors, associate professors, and associates in the medical department, and its functions are especially the consideration of the courses of instruction.

BOARD OF COLLEGIATE STUDIES

Ira Remsen (*Pres.*)	K. F. Smith	W. J. A. Bliss
E. H. Griffin (*Dean*)	J. H. Hollander	H. L. Wilson
A. M. Elliott	J. M. Vincent	J. C. Ballagh
H. N. Morse	C. C. Marden	J. E. Gilpin
Henry Wood	E. B. Mathews	M. P. Brush
Edward Renouf	E. H. Spieker (*Sec'y*)	C. K. Swartz
W. Hand Browne	E. A. Andrews	J. C. French
H. E. Greene	L. S. Hulburt	R. T. Abercrombie
J. S. Ames	B. J. Vos	

By request of the Academic Council (May 13, 1892), the Board of Collegiate Studies, consisting of the President and of representatives from each of the chief departments of undergraduate study, confers upon

the progress made by the undergraduate and special students, and conducts the examinations for matriculation and for the baccalaureate degree, under the direction of the Academic Council. The other teachers of undergraduates may be called in from time to time to consult.

By resolution of this Board (June 15, 1888) a Standing Committee was appointed to act on all routine matters. The committee now consists of E. H. Griffin, E. Renouf, E. H. Spieker, and R. T. Abercrombie.

COMMITTEE ON THE LIBRARY

Ira Remsen (*Pres.*) W. Hand Browne N. Murray (*Sec'y*)
B. L. Gildersleeve

COMMITTEE ON THE GYMNASIUM

Ira Remsen (*Pres.*) H. F. Reid R. T. Abercrombie
E. Renouf

ADVISORY BOARD OF THE YOUNG MEN'S CHRISTIAN ASSOCIATION

Ira Remsen (*Pres.*) E. H. Griffin (*Sec'y*) M. P. Brush
Eugene Levering

OTHER OFFICERS

TREASURER OF THE UNIVERSITY
Charles J. Meyer

REGISTRAR
Thomas R. Ball

SUMMARY

Faculty, 1905–06

President and Professors,	41
Clinical Professors,	7
Associate Professors,	26
Associates,	30
Instructors and Assistants,	49
Lecturers,	20
	173

Students Enrolled, 1905–06

Graduate Students:		
Fellows by Courtesy,	10	
Fellows,	22	
Other Graduate Students in Philosophy,	130	
Candidates for the degree of M. D.,	293	
Physicians attending Special Courses,*	76	
		531
Undergraduates:		
Candidates for the degree of A. B.,	163	
Not Candidates for a degree,	27	
		190
		721
Counted twice,		1
Total,		720

*Including 31 entering in 1905 after the issue of the last Register.

GEOGRAPHICAL DISTRIBUTION OF THE STUDENTS, 1905–06.

Maryland (Baltimore, 246)	304	Michigan,	5
Pennsylvania,	48	Minnesota,	5
New York,	36	Mississippi,	5
Virginia,	31	Nebraska,	5
Connecticut,	19	Oregon,	5
North Carolina,	19	Arkansas,	4
California,	16	Kentucky,	4
Wisconsin,	16	Florida,	3
Ohio,	15	Kansas,	3
Alabama,	13	Rhode Island,	3
District of Columbia,	13	Washington,	3
Georgia,	11	Delaware,	2
Iowa,	11	New Mexico,	2
New Jersey,	11	North Dakota,	2
Massachusetts,	11	Utah,	2
Illinois,	10	South Dakota,	1
Maine,	10	Tennessee,	1
South Carolina,	10	Vermont,	1
Indiana,	9		
Louisiana,	8		
West Virginia,	8	Canada,	7
Texas,	7	France,	1
Missouri,	6	Germany,	1
New Hampshire,	6	India,	1
Colorado,	5	Scotland,	1

INSTITUTIONS IN WHICH THE STUDENTS (1905–1906) GRADUATED

Alabama Polytechnic Inst.,	3	Dickinson College,	6
Alabama, University of,	3	Drake University,	2
Albany Medical Coll.,	3	Edinburgh, University of,	2
Albion College,	2	Emory College,	2
Allegheny College,	2	Erskine College,	1
Amherst College,	1	Fargo College,	1
Arkansas, University of,	1	Florida State College,	2
Baldwin University,	1	France, University of,	1
Baltimore Medical Coll.,	6	Franklin and Marshall Coll.,	4
Barnes Medical School,	1	Georgetown University,	2
Beloit College,	2	Georgia, University of,	5
Bethel College,	1	Goerlitz Gymnasium,	1
Blount College,	1	Hahnemann Medical College, (Chicago),	1
Boston University,	1	Hamilton College,	3
Bowdoin College,	5	Hamline University,	1
Brown University,	5	Hampden-Sidney College,	5
Bryn Mawr College,	5	Hanover College,	1
Buffalo, University of,	1	Harvard University,	12
California, University of,	8	Haverford College,	3
Canisius College,	1	Howard College (Ala.),	1
Carleton College,	1	Illinois College,	1
Catholic University (Paris),	1	Illinois Wesleyan Univ.,	2
Central College (Mo.),	1	Indiana Medical Coll.,	2
Central University (Ky.),	2	Indiana University,	2
Chicago, University of,	2	Iowa College,	2
Cincinnati, University of,	2	Iowa State University,	2
Clemson College,	2	Johns Hopkins University,	69
Coe College,	1	Kansas, University of,	3
Colby College,	2	Kentucky State College,	1
Colorado, University of,	1	Kentucky University,	1
Columbia University,	4	Kenyon College,	1
Columbia (S. C.) Theol. Sem.,	1	Knox College,	1
Columbian University,	2	Lafayette College,	6
Converse College,	1	Lake Forest College,	2
Cooper Medical Coll.,	1	Lancaster Theol. Sem.,	1
Cornell College,	2	Lawrence University,	1
Cornell University,	3	Lebanon Valley College,	1
Cotner University,	1	Lehigh University,	1
Dartmouth College,	7	Leland Stanford Jr. Univ.,	10
Davidson College,	5	Louisiana State Univ.,	1
Delaware College,	1		
Denver, University of,	2		

Loyola College,	1	Rush Medical College,	1
Lyons, University of,	1	Rutgers College,	1
Maryland Agricultural Coll.,	3	Scio College,	1
Maryland Medical Coll.,	1	Smith College,	1
Maryland, University of,	9	South, University of the,	1
McGill University,	1	South Carolina Coll.,	2
Medico-Chirurgical Coll. (Phila),	3	South Dakota, University of,	1
Memphis Hosp. Med. Coll.,	1	Southern Cal., Univ. of,	2
Michigan, University of,	7	Southern Homeopath. Med. Col.	2
Millsaps College,	1	Southern Baptist Theol. Sem.,	1
Minnesota, University, of,	1	Southern University,	1
Miro College (Spain),	1	Southwest Kansas College,	1
Mississippi, Univ. of,	1	St. Francis Xavier (N. Y.),	1
Mt. Allison College,	1	St. John's College (Md.),	9
Mt. St. Joseph Coll. (Balt.),	2	St. Lawrence University,	1
Mt. St. Mary's College,	2	St. Olaf's College,	1
Nashville, University of,	3	Syracuse University,	2
Nebraska, University of,	5	Texas, University of,	4
Newberry College,	1	Toronto University,	3
New Windsor Coll.,	1	Trinity College (N. C.),	1
New York University,	2	Trinity Univ. (Toronto),	2
North Carolina A. & M. Coll.,	2	Tufts College,	1
North Carolina, Univ. of,	13	Tulane University,	9
North Dakota, Univ. of,	1	Ursinus College,	1
North Georgia Agric. Coll.,	1	Utah, University of,	1
Northwestern University,	3	Valparaiso College,	1
Notre Dame, University of,	1	Vanderbilt University,	2
Ohio Medical College,	1	Vermont, University of,	1
Ohio State University,	2	Virginia Military Inst.,	1
Ohio University,	1	Virginia Polytechnic Inst.,	1
Ohio Wesleyan University,	2	Virginia, University of,	8
Oxford, University of,	1	Wabash College,	2
Penn College,	1	Wake Forest College,	4
Pennsylvania College,	8	Washington & Jefferson Coll.,	5
Pennsylvania, University of,	6	Washington & Lee Univ.,	4
Phys. & Surg. (Balt.) Coll. of,	5	Wellesley College,	2
Phys. & Surg. (New York),	2	Wesleyan University (Conn.),	4
Princeton University,	15	Western Maryland College,	4
Radcliffe College,	1	Western University of Pa.,	1
Randolph-Macon College,	8	Westminster College (Pa.),	3
Richmond College,	4	Westminster Coll. (Texas),	1
Ripon College,	1	Westminster (Md.) Theol. Sem.	1
Rochester, University of,	6	West Virginia Univ.,	3
Rock Hill College,	3	Whitworth College,	1

Wiesbaden Gymnasium,	1	Wittenberg College,	1
William & Mary Coll.,	1	Woman's Coll. of Baltimore,	4
William Jewell Coll.,	1	Woman's Med. Coll. (Phila.),	4
Williams College,	6	Woodstock College,	2
Wisconsin, University of,	13	Yale University,	25

Fellows

ADAM T. BRUCE FELLOWS IN BIOLOGY

The Bruce Fellowship was instituted by a gift of $10,000, made in 1887 by Mrs. Bruce, of New York, to commemorate the name of her son, Adam T. Bruce, Jr., Ph. D., Fellow in Biology, 1883-84, and Instructor, 1886-87.

When the institution is not named, this university is to be understood. The figures in brackets indicate the tenure of the fellowship.

Henry Van Peters Wilson, Ph. D., Prof. of Biology, Univ. of N. C. [1888-89].
Shozaburo Watase, Ph. D., Prof. of Zoology, Univ. of Tokyo. [1889-90].
Thomas Hunt Morgan, Ph. D., Prof. of Experimental Zoology, Columbia Univ. [1890-91]. *Reappointed* 1891, *but resigned.*
Robert Payne Bigelow, Ph. D., Instr. in Biology and Librarian, Mass. Inst. of Technology. [1891-93].
Maynard Mayo Metcalf, Ph. D., Prof. of Zoology, Oberlin Coll. [1893]. *Did not enter on the fellowship.*
Ross Granville Harrison, Ph. D., Assoc. Prof. of Anatomy. [1894]. *Did not enter on the fellowship.*
Seitaro Goto, S. D., Prof. of Biology, First High School, Tokyo, Japan. [1894-95].
Henry McElderry Knower, Ph. D., Instr. in Anatomy. [1895-96].
George Lefevre, Ph. D., Prof. of Zoology, Univ. of Missouri. [1895-97].
*Franklin Story Conant, Ph. D. [1897]. *Did not enter on the fellowship.*
Duncan Starr Johnson, Ph. D., Prof. of Botany. [1897-98].
Gilman Arthur Drew, Ph. D., Prof. of Biol., Univ. of Maine. [1898]. *Did not enter on the fellowship.*
Caswell Grave, Ph. D., Assoc. Prof. of Zoology; State Shell-Fish Commissioner, Balt. [1899-01].
Lawrence Edmonds Griffin, Ph. D., Prof. of Biology, Missouri Valley College. [1900].
James Edwin Duerden, Ph. D., Prof. of Zoology, Rhodes Univ. Coll., Cape Colony. [1901-02].
Rheinart Parker Cowles, Ph. D., Asst. in Biology. [1902-04].
David Hilt Tennent, Ph. D., Lecturer in Zoology, Bryn Mawr. [1904]. *Did not enter on the fellowship.*
Otto Charles Glaser, Ph. D., Instr. in Zoology, Univ. of Michigan. [1904-05].
Forrest Shreve, Ph. D., Instr. in Botany, Woman's Coll., Balt. [1905-06].

WILLIAM S. RAYNER FELLOWS IN SEMITIC LANGUAGES

The Rayner Fellowship was founded in 1889 by Mrs. Bertha Rayner Frank and Mr. Albert W. Rayner, of Baltimore, to perpetuate in this university the name of their father, Mr. William S. Rayner, who had made unusual attainments in the Hebrew language and was interested in the promotion of Semitic studies. The gift amounted to $10,000.

When the institution is not named, this university is to be understood. The figures in brackets indicate the tenure of the fellowship.

Karl Josef Grimm, Ph. D., Prof. of German, French, and Hebrew, Ursinus Coll. [1899-01].
Theodore Clinton Foote, Ph. D., Instr. in Biblical Literature. [1901-03].
Gabriel Oussani, A. B., S. T. B., Prof. of Italian, Latin, and Oriental Lang., Catholic Seminary, N. Y. [1903]. *Did not enter on the fellowship.*
William George Seiple, Ph. D., Missionary, Sendai, Japan. [1903-04].
Aaron Ember, Ph. D., Instr. in Hebrew. [1904-06].

UNIVERSITY FELLOWS

Arranged under the date of first appointment. Figures in brackets indicate the tenure of the fellowship, when it was held more than one year. When the institution is not named, this university is to be understood. *Deceased.

1876

Henry Carter Adams, Ph. D., LL. D., Prof. of Political Economy and Finance, Univ. of Michigan; Statistician, Interstate Commerce Commission.—[1876-79].

*Herbert Baxter Adams, Ph. D., LL. D., Assoc., Assoc. Prof., Prof. of American and Institutional History, Professor Emeritus, 1878-91.—[1876-78].

William Keith Brooks, Ph. D., LL. D., Prof. of Zoology. *Did not enter on the fellowship.*

Samuel Fessenden Clarke, Ph. D., Prof. of Natural History, Williams College.—[1876-79].

*Thomas Craig, Ph. D., Instr., Assoc., Assoc. Prof., Prof. of Mathematics, 1879-1900; Editor, *American Journal of Mathematics*, 1894-99.—[1876-79].

Joshua Walker Gore, C. E., Prof. of Natural Philosophy, etc., University of N. C.—[1876-78].

George Bruce Halsted, Ph. D., Prof. of Mathematics, Kenyon Coll.—[1876-78].

Edward Hart, Ph. D., Prof. of Analytical Chemistry, Lafayette Coll.—[1876-78].

Daniel Webster Hering, C. E., Ph. D., Prof. of Physics, New York Univ.—[1876-78].

Malvern Wells Iles, Ph. D., Consulting Metallurgist, London, England.—[1876-78].

William White Jacques, Ph. D., Lecturer, Mass. Inst. of Tech., 1885-91; Scientific Investigator, Boston.—[1876-79].

Charles Rockwell Lanman, Ph. D., LL. D., Prof. of Sanskrit, Harvard Univ.

David McGregor Means, A. B., Prof. of Political and Mental Science, Middlebury Coll., 1877-80; Atty. at Law, New York.

Harmon Northrup Morse, Ph. D., Prof. of Analytical Chemistry. *Did not enter on the fellowship.*

Walter Hines Page, Editor, *The World's Work*, N. Y.—[1876-78].

*Peter Porter Poinier, M. E. *Did not enter on the fellowship.*

*Erasmus Darwin Preston, C. E., U. S. Coast Survey, 1879-1906.—[1876-78].

*Henry Joseph Rice, Sc. D., Prof. of Natural Sciences, Brooklyn High School, 1882-85.—[1876-78].

Josiah Royce, Ph. D., LL. D., Prof. of the History of Philosophy, Harvard; Lecturer, 1905-06.—[1876-78].

Alexander Duncan Savage, B. Litt., New York.—[1876-79].

Ernest Gottlieb Sihler, Ph. D., Prof. of Latin, New York Univ.—[1876-79].

Frederick Boyd Van Vorst, A. B., Atty. at Law, New York.

*John Henry Wheeler, Ph. D., Prof. of Greek, Univ. of Virginia, 1882-87.

1877

Francis Greenleaf Allinson, Ph. D., Prof. of Classical Philology, Brown Univ.—[1877-80].

Fabian Franklin, Ph. D., LL. D., Asst., Assoc., Assoc. Prof., and Prof. of Mathematics, 1879-95; Editor of *The Baltimore News*.—[1877-79].

Lyman Beecher Hall, Ph. D., Prof. of Chemistry, Haverford Coll.—[1877-79].

Allan Marquand, Ph. D., L. H. D., Prof. of Art and Archæology, Princeton.—[1877-80].

Christian Sihler, Ph. D., M. D., Instr. and Acting Prof. of Histology, etc., Western Reserve Univ., 1888-94; Physician, Cleveland, Ohio.—[1877-79].

1878

Maurice Bloomfield, Ph. D., LL. D., Prof. of Sanskrit and Comparative Philology.

Constantine Fahlberg, Ph. D., Chemist, Salbke-Westerhüsen, Germany.—[1878-80].

Edwin Herbert Hall, Ph. D., Prof. of Physics, Harvard Univ.—[1878-80].

Edward Coles Harding, A. M., Prof. of Greek, Univ. of Louisiana, 1879-80; Baltimore.

Rev. Charles Robert Hemphill, D. D., LL. D., Prof. of New Testament Exegesis, Louisville Presbyterian Theol. Sem.; Clergyman, Louisville, Ky.
Isaac Ott., A. M., M. D., Prof. of Physiology, Medico-Chirurgical Coll. of Philadelphia.
Henry Sewall, Ph. D., M. D., Prof. of Physiology, Univ. of Denver.
Washington Irving Stringham, Ph. D., Prof. of Mathematics, Univ. of Cal. —[1878-80].
Charles Ambrose Van Velzer, S. B., Prof. of Mathematics, Univ. of Wis.—[1878-81].
Abram Van Epps Young, Ph. B., Prof. of Chemistry, Northwestern Univ.—[1878-80].

1879

Brown Ayres, Ph. D., LL. D., President of the University of Tennessee.
Louis Bevier, Ph. D., Prof. of Greek, Rutgers Coll.—[1879-81].
William Burney, Ph. D., Prof. of Chemistry, South Carolina Coll.
Edward Mussey Hartwell, Ph. D., M. D., LL. D., Sec., Dept. of Municipal Statistics, Boston.—[1879-81].
*John Robin McDaniel Irby, Ph. D.
Mitsuru Kuhara, Ph. D., Director, Coll. of Science, Univ. of Kyoto, Japan.—[1879-81].
*Oscar Howard Mitchell, Ph. D., Prof. of Mathematics, Marietta Coll., 1882-89.—[1879-82].
Edward Leamington Nichols, Ph. D., LL. D., Prof. of Physics, Cornell Univ.
George Frederick Nicolassen, Ph. D., Prof. of Greek and German, Southwestern Presbyterian Univ., Tenn.—[1879-81].
Waldo Selden Pratt, A. B., Mus. D., Prof. of Ecclesiastical Music and Hymnology, Hartford (Conn.) Theol. Sem.
Robert Woodworth Prentiss, M. S., Prof. of Mathematics, etc., Rutgers.—[1879-81].
William Thompson Sedgwick, Ph. D., Prof. of Biology, Mass. Inst. of Tech.; Lecturer, Simmons Coll.
*Herman Vorhees, C. E. *Did not enter on the fellowship.*
Charles Otis Whitman, Sc. D., Ph. D., LL. D., Prof. of Zoology, Univ. of Chicago. *Did not enter on the fellowship.*
Edmund Beecher Wilson, Ph. D., LL. D., Prof. of Zoology, Columbia Univ.—[1879-81].

1880

James Wilson Bright, Ph. D., Caroline Donovan Prof. of English Literature.—[1880-82].
Benjamin Chapman Burt, A. B., Acting Prof. of Philosophy and Pedagogy, Univ. of Colorado, 1894-95.
Robert Dorsey Coale, Ph. D., Prof. of Chemistry and Dean, Med. Dept., Univ. of Md.
Lawrence Bunting Fletcher, Ph. D., Instructor in Physics, Wesleyan Univ., 1882-83.
*Spencer Hedden Freeman, A. B., Prof. of Physics and Astronomy, Adelbert Coll., 1882-86.—[1880-82].
Kakichi Mitsukuri, Ph. D., Prof. of Zoology, Univ. of Tokyo, Japan.
Bernard Francis O'Connor, Ph. D., Instructor and Adjunct Prof. of Romance Lang., Columbia Univ., 1883-91; New York.—[1880-82].
Chase Palmer, Ph. D., Prof. of Chemistry, Kentucky State College.—[1880-82].
Herbert Mills Perry, A. B., late Instructor, Cascadilla School, Ithaca.—[1880-82].
William Lee Rowland, S. B., Chemist, Philadelphia. *Did not enter on the fellowship.*
*Andreas Franz Wilhelm Schimper, Ph. D., Prof. of Botany, Univ. of Basle, 1898-1901.
Edward Henry Spieker, Ph. D., Assoc. Prof. of Greek and Latin.—[1880-82].
Morrison Isaac Swift, Ph. D., Instructor in Philosophy, Hobart Coll., 1882-84.—[1880-82].
*Arthur Wilson Wheeler, A. B.

1881

William John Alexander, Ph. D., Prof. of English, Univ. of Toronto.—[1881-83].
Edward Sanford Burgess, Ph. D., Prof. of Natural Science, Normal Coll., N. Y.
William James Comstock, Ph. D., Instructor in Organic Chemistry, Yale Univ.

*William Cathcart Day, Ph. D., Prof. of Chemistry, Swarthmore, 1887-1901.—[1881-83].
Henry Herbert Donaldson, Ph. D., Prof. of Neurology, Wistar Inst. of Anatomy, Univ. of Pa.—[1881-83].
William Pitt Durfee, Ph. D., Prof. of Mathematics and Dean of the Faculty, Hobart Coll.—[1881-83].
George Stetson Ely, Ph. D., Principal Examiner, U. S. Patent Office.—[1881-83].
Benjamin Ives Gilman, A. M., Curator, Museum of Fine Arts, Boston, Mass.
John Franklin Jameson, Ph. D., LL. D., Director, Dept. of Historical Research, Carnegie Inst., Washington.
Charles Herschel Koyl, A. B., Instr. in Physics, Swarthmore, 1887-88; New York—[1881-83].
Henry Leslie Osborn, Ph. D., Prof. of Biology and Geology, Hamline Univ.
Henry Newlin Stokes, Ph. D., Asst. Prof. of Chemistry, Univ. of Chicago, 1892-94; Chemist, Bureau of Standards, Washington.—[1881-83].
Benjamin Willis Wells, Ph. D., late Prof. of Modern Lang., Univ. of the South; Editor of *The Churchman*, N. Y. *Did not enter on the fellowship.*

1882

*Charles John Bell, A. B., Prof. of Chemistry, Medical Dept., Univ. of Minnesota, 1888-1903. *Did not enter on the fellowship.*
James McKean Cattell, Ph. D., Prof. of Psychology, Columbia Univ.; Editor of *Science.*
Ellery William Davis, Ph. D., Prof. of Mathematics, Univ. of Nebraska.—[1882-84].
David Talbot Day, Ph. D., U. S. Geological Survey, Washington, D. C.—[1882-84].
Alfred Emerson, Ph. D., Assoc. Prof. of Classical Archæology, Cornell Univ., 1891-97.—[1882-84].
William Scott Fleming, A. B., Prof. of Greek, Davidson Coll., 1883-85; Wetumpka, Ala.
Arthur Lincoln Frothingham, Jr., Ph. D., Prof. of Ancient History and Archæology, Princeton, 1886-1905; Princeton, N. J.—[1882-85].
Henry Root Goodnow, A. B., New York.
Elgin Ralston Lovell Gould, Ph. D., New York.—[1882-84].
Arthur Stafford Hathaway, S. B., Prof. of Mathematics, Rose Polytech. Inst.—[1882-84].
William Henry Howell, Ph. D., M. D., LL. D., Prof. of Physiology and Dean of the Medical Faculty.—[1882-84].
Edward Harrison Keiser, Ph. D., Prof. of Chemistry, Washington Univ.—[1882-84].
Arthur Lalanne Kimball, Ph. D., Prof. of Physics, Amherst Coll.
Harry Fielding Reid, Ph. D., Prof. of Geological Physics. *Did not enter on the fellowship.*

1883

William Muss Arnolt, Ph. D., Instr. and Asst. Prof.. of Biblical Philology, Univ. of Chicago, 1893-1903; Belmont, Mass.—[1883-85].
Gustav Bissing, Ph. D., Patent Attorney, Washington.
*Adam Todd Bruce, Ph. D., Instr. in Osteology, etc., 1886-87.
Archibald Lamont Daniels, D. Sc., Prof. of Mathematics and Physics, Univ. of Vermont.
John Dewey, Ph. D., LL. D., Prof. of Philosophy, Columbia University.
*James Reynolds Duggan, Ph. D., Prof. of Chemistry, Wake Forest, 1886-88.
Hans Carl Guenther von Jagemann, Ph. D., Prof. of Germanic Philology, Harvard.
*Gustav Adolph Liebig, Jr., Ph. D., Asst. in Electricity, 1887-90.—[1883-85].
Charles William Emil Miller, Ph. D., Assoc. Prof. of Greek.—[1883-85].
Charles Albert Perkins, Ph. D., Prof. of Physics, Univ. of Tennessee.
*Louis Tebbetts Stevens, M. D., late Lecturer, Washington Univ.
Henry Crew, Ph. D., Prof. of Physics, Northwestern Univ.—[1884-86].
Ethan Allen Andrews, Ph. D., Assoc. Prof. of Biology.—[1884-86].

1884

Homer Winthrop Hillyer, Ph. D., Asst. Prof. of Organic Chemistry, Univ. of Wisconsin.
Lewis Webb Wilhelm, Ph. D., Vice-Princ., College Prep. School, Baltimore.
*Rev. Abel Henry Huizinga, Ph. D., Adjunct Prof., McCormick Theol. Sem., 1894-96.—[1884-86].

Frederic Schiller Lee, Ph. D., Prof. of Physiology, Columbia Univ.
Charles Herbert Levermore, Ph. D., President of Adelphi College, Brooklyn.
Henry Francis Nachtrieb, S. B., Prof. of Animal Biology, Univ. of Minnesota.
Henry Barber Nixon, Ph. D., Prof. of Mathematics, Pennsylvania Coll.
William Noyes, Jr., M. D., Supt., Boston Insane Hospital, Mattapan, Mass.; Clinical Instructor, Harvard.
Albert Gallatin Palmer, Ph. D., Asst. Prof. of Chemistry, Swarthmore Coll., 1886-87; Norwood, Md.
Ernest Mondell Pease, A. B., Prof. of Latin, Stanford Univ., 1891-1902; Washington.—[1884-86].
Albert Harris Tolman, Ph. D., Asst. Prof. of English Literature, Univ. of Chicago. *Did not enter on the fellowship.*
Woodrow Wilson, Ph. D., Litt. D., LL. D., President of Princeton University.

1885

Cyrus Adler, Ph. D., Librarian, Smithsonian Institution; Prof. of Oriental History and Archæology, George Washington Univ.—[1885-87].
*David Barcroft, Ph. D.
William Shirley Bayley, Ph. D., Prof. of Mineralogy, etc., Colby, 1888-1904; U. S. Geological Survey; S. Bethlehem, Pa.—[March, 1885-June, 1886].
Louis Bell, Ph. D., Prof. of Physics, Purdue Univ., 1888-89; Electrical Engineer, Boston.—[1885-87].
William Henry Burnham, Ph. D., Asst. Prof. of Pedagogy, Clark Univ.
Francis Albert Christie, A. B., Prof. of Church History, Theol. School, Meadville, Pa.—[1885-87].
Davis Rich Dewey, Ph. D., Prof. of Economics and Statistics, Mass. Inst. of Tech.
Albert E. Egge, Ph. D., Prof. of English, Washington Agric. Coll.
William Henry Emerson, Ph. D., Prof. of Chemistry, Georgia School of Tech.
John Charles Fields, Ph. D., Lecturer in Mathematics, Toronto Univ.
Joseph Jastrow, Ph. D., Prof. of Psychology, Univ. of Wisconsin.
George Theophilus Kemp, Ph. D., M. D., Prof. of Physiology, Univ. of Illinois.
Marion Dexter Learned, Ph. D., Prof. of German, Univ. of Pennsylvania.
Gonzalez Lodge, Ph. D., Prof. of Latin and Greek, Teachers Coll., Columbia Univ.
Arthur MacDonald, A. B., Bureau of Pensions, Washington, D. C. *Did not enter on the fellowship.*
Charles Skeele Palmer, Ph. D., Pres., Colo. School of Mines, 1902-03; Assoc. Ed., *Engineering and Mining Journal*, New York.
George Thomas White Patrick, Ph. D., Prof. of Philosophy, Iowa State Univ. *Reappointed* 1887, *but resigned.*
Moses Stephen Slaughter, Ph. D., Prof. of Latin, Univ. of Wisconsin.
Charles Whetham, A. B., President of Whetham Coll., Vancouver, B. C., 1890-93.
Charles Baker Wright, A. B., Prof. of English Literature and Rhetoric, Middlebury Coll. *Did not enter on the fellowship.*

1886

Edgar Pierce Allen, A. B., Prof. Law Dept. Univ. of Tientsin, China.—[1886-88].
John Pendleton Campbell, Ph. D., Prof. of Biology, Univ. of Georgia.
Henry Clarke, A. B., Classical Instr., London, England.
Herbert Charles Elmer, Ph. D., Asst. Prof. of Latin, Cornell Univ.
Henry Brayton Gardner, Ph. D., Prof. of Political Economy, Brown Univ.
*Milton Haight, A. B., Prof. of Mathematics, etc., Sapporo Agric. Coll. Japan, 1887-92.
John Leslie Hall, Ph. D., Prof. of English and History, William and Mary Coll.
Charles Willard Hayes, Ph. D., U. S. Geological Survey, Washington.
George Benjamin Hussey, Ph. D., Classical Master, Irving School, N. Y.
James Hervey Hyslop, Ph. D., Prof. of Logic and Ethics, Columbia Univ., 1895-1902.
Andrew Cowper Lawson, Ph. D., Prof. of Geology, Univ. of California.
Franklin Paine Mall, M. D., LL. D., Prof. of Anatomy.—[1886-88].
Yujiro Motora, Ph. D., Prof. of Psychology, etc., Univ. of Tokyo, Japan.
Julius Nelson, Ph. D., Prof. of Biology, Rutgers Coll.
William Ridgely Orndorff, Ph. D., Prof. of Organic Chemistry, Cornell.
Daniel Richard Randall, Ph. D., Attorney at Law, Annapolis, Md.
Henry Dallas Thompson, D. Sc., Ph. D., Prof. of Mathematics, Princeton.

Edward Burr Van Vleck, Ph. D., Prof. of Mathematics, Wesleyan Univ.
*Amos Griswold Warner, Ph. D., Prof. of Economics, Stanford Univ., 1893-1900.
John Roaf Wightman, Ph. D., Prof. of Romance Lang., Oberlin Coll.

1887

Joseph Sweetman Ames, Ph. D., Prof. of Physics.
Philip Wheelock Ayres, Ph. D., Forester, Concord, N. H.
William Snyder Eichelberger, Ph. D., Prof. of Mathematics, U. S. Navy, Washington.
Henry Rushton Fairclough, Ph. D., Prof. of Latin, Stanford Univ. *Did not enter on the fellowship.*
*William Curns Lawrence Gorton, Ph. D., Assoc. Prof. and Prof. of Mathematics and Astronomy, Woman's Coll., Balt., 1888-94.
William Herbert Hobbs, Ph. D., Prof. of Mineralogy, etc., Univ. of Wisconsin.
Joseph Hoeing Kastle, Ph. D., Chief., Div. of Chemistry, Hygiene Lab., Marine Hosp. Service, Washington.
Felix Lengfeld, Ph. D., late Asst. Prof., Univ. of Chicago; Chemist, San Francisco.
Archibald MacMechan, Ph. D., Prof. of English, Dalhousie Univ.
Herbert William Magoun, Ph. D., late Prof. of Latin, Redfield College, S. Dak.; Cambridge, Mass.
*Thomas McCabe, Ph. D., Assoc. in Romance Lang., Bryn Mawr, 1890-91.
John Leverett Moore, Ph. D., Prof. of Greek and Latin, Vassar Coll.
Augustus Taber Murray, Ph. D., Prof. of Greek, Stanford Univ.
Edmund Clark Sanford, Ph. D., Prof. of Experimental Psychology, Clark Univ.
Charles Lee Smith, Ph. D., Prest., Mercer Univ., 1905-06.
*Arthur Clarence Wightman, Ph. D., Prof. of Biology and Physics, Randolph-Macon Coll., 1891-1905.
Henry Van Peters Wilson, Ph. D., Bruce Fellow, 1888-89; Prof. of Biology, Univ. of North Carolina.

1888

Charles McLean Andrews, Ph. D., L. H. D., Prof. of History, Bryn Mawr; Prof. (*elect*), of History.
Frank Wilson Blackmar, Ph. D., Prof. of History and Sociology, Univ. of Kansas.
Charles Augustus Borst, A. B., Asst. in Astronomy, 1889-92.
William Merriam Burton, Ph. D., Supt., Standard Oil Co., Whiting, Ind.
Morgan Callaway, Jr., Ph. D., Prof. of English Philology, Univ. of Texas.
Charles Hiram Chapman, Ph. D., Pres., Univ. of Oregon, 1893-99; Woodland, Wash.
Edwin Whitfield Fay, Ph. D., Prof. of Latin and Greek, Univ. of Texas.—[1888-90].
Adam Capen Gill, Ph. D., Asst. Prof. of Mineralogy, Cornell Univ.
Joseph Edward Harry, Ph. D., Prof. of Greek, Univ. of Cincinnati.
James Taft Hatfield, Ph. D., Prof. of German, Northwestern Univ.
*George Allison Hench, Ph. D., Prof. of German, Univ. of Michigan, 1895-99.
Clifton Fremont Hodge, Ph. D., Asst. Prof. of Physiology, Clark Univ.
Cary Talcott Hutchinson, Ph. D., Acting Assoc. Prof. of Electricity, 1898-99; Consulting Engineer, N. Y.
Alvin Frank Linn, Ph. D., Prof. of Chemistry and Mineralogy, Wittenberg Coll., O. *Did not enter on the fellowship.*
Thomas Logie, Ph. D., Prof. of Romance Lang., Univ. of Cape Town, S. Africa.
Alfred Edward Thayer, M. D., Instr. in Pathology, etc., Cornell Univ., N. Y.
*James Starr Trueman, A. B., Prof. of Greek and Latin, Allegheny Coll., 1889-92.
Shozaburo Watase, Ph. D., Bruce Fellow, 1889-90; Prof. of Zoology, Univ. of Tokyo.

1889

Rev. Edward Carey Applegarth, Ph. D., M. D., Clergyman, Boston, Mass.
Arthur George Blachstein, A. B., M. D., St. Petersburg, Russia.
Rudolf John Julius de Roode, Jr., Ph. D., Supt., Bureau of Tests, Internat. Paper Co., N. Y.
George Peter Dreyer, Ph. D., Prof. of Physiology, Med. Dept., Univ. of Ill.
Herman Louis Ebeling, Ph. D., Asst. Prof. of Greek, Hamilton Coll.

Charles Jaques Goodwin, Ph. D., Prof. of Greek, Lehigh Univ.
Christopher Johnston, Jr., Ph. D., Assoc. Prof. of Oriental History, etc.—[1889-91].
Hiram Benjamin Loomis, Ph. D., Western Springs, Ill.
John Hanson Thomas McPherson, Ph. D., Prof. of History, Univ. of Georgia.
Thomas Hunt Morgan, Ph. D., Bruce Fellow, 1890; Prof. of Experimental Zoology, Columbia Univ.
Daniel Alexander Murray, Ph. D., Prof. of Mathematics, Dalhousie Univ., Nova Scotia.
Charles Lane Poor, Ph. D., Prof. of Astronomy, Columbia Univ.
*George Mann Richardson, Ph. D., Prof. of Organic Chemistry, Stanford Univ., 1891-02.
John Cunningham Robertson, Ph. D., Prof. of Greek, St. Stephen's Coll., N. Y.
*Charles Hunter Ross, Ph. D., Prof. of Modern Lang., Alabama Polytech. Inst., 1892-1900.
Joseph Samuel Shefloe, Ph. D., Prof. of Romance Lang. and Librarian, Woman's College, Baltimore.
Robert Benson Steele, Ph. D., Adjunct Prof. of Latin, Vanderbilt Univ.
Bert John Vos, Ph. D., Assoc. Prof. of German.—[1889-91].
James Albert Woodburn, Ph. D., Prof. of American History, Indiana Univ.

1890

William Wilson Baden, Ph. D., Prof. of Latin, Univ. of Idaho.—[1890-92].
Robert Payne Bigelow, Ph. D., Bruce Fellow, 1891-93; Instr. in Biology and Librarian, Mass. Inst. of Tech.
Edwin Grant Conklin, Ph. D., Prof. of Zoology, Univ. of Pa.
Rev. William Levering Devries, S. T. B., Ph. D., Clergyman, Washington, D. C.
George Houghton Gilman, A. B., LL. B., Atty. at Law, New York. *Did not enter on the fellowship.*
Thomas Perrin Harrison, Ph. D., Prof. of English, Davidson Coll.
Charles Rollin Keyes, Ph. D., President, New Mexico School of Mines.
Edwin Seelye Lewis, Ph. D., Prof. Romance Lang., Princeton.
Arthur Stanley Mackenzie, Ph. D., Prof. of Physics, Dalhousie Univ., N. S.
Henry Parker Manning, Ph. D., Asst. Prof. of Mathematics, Brown Univ.
Wilfred Pirt Mustard, Ph. D., Prof. of Latin, Haverford Coll.
Barker Newhall, Ph. D., Prof. of Greek, Kenyon Coll.
Edward Bennett Rosa, Ph. D., Chief Physicist, Bureau of Standards, Washington; Prof. Geo. Washington Univ.
Charles Edward Saunders, Ph. D., Prof. of Chemistry, Central Univ., Ky., 1891-93; Ottawa, Canada.
Bernard Christian Steiner, LL. B., Ph. D., Librarian, Pratt Library; Associate in History.
John White, Jr., Ph. D., Prof. of Chemistry, Rose Polytechnic Inst.
Westel Woodbury Willoughby, Ph. D., Prof. of Political Science.

1891

Edward Ambrose Bechtel, Ph. D., Instr. in Latin, Univ. of Chicago. *Did not enter on the fellowship.*
Julius Blume, Modern Lang. Master, University School, Baltimore, 1892-99.
Albert Bernhardt Faust, Ph. D., Asst. Prof. of German, Cornell Univ.
Simon Flexner, M. D., Director, Rockefeller Inst. for Medical Research, N. Y.
Ulysses Sherman Grant, Ph. D., Prof. of Geology, Northwestern Univ.
William Asbury Harris, Ph. D., Prof. of Greek, Richmond Coll., Va.
Harry Clary Jones, Ph. D., Prof. of Physical Chemistry.
James Lawrence Kellogg, Ph. D., Prof. of Biology, Williams Coll.
Elmer Peter Kohler, Ph. D., Prof. of Chemistry, Bryn Mawr.
*Paul Erasmus Lauer, Ph. D., Asst. Supt. of Schools, Cleveland, O., 1892-93.
David Judson Lingle, Ph. D., Asst. Prof. of Physiology, Univ. of Chicago.
John Hanson Thomas Main, Ph. D., President, Iowa Coll.
Frank Jewett Mather, Jr., Ph. D., late Instr. in English, Williams Coll.; Asst. Editor, *The Evening Post*, N. Y.
Michael Andrew Mikkelsen, Ph. D., Asst. Editor, *The Sun*, N. Y.
John Dyneley Prince, Ph. D., Prof. of Semitic Lang., Columbia.
Brantz Mayer Roszel, Ph. D., Head Master, Sewanee Grammar School, Tenn.
George Owen Squier, Ph. D., Major, U. S. Signal Corps.
Sidney Grant Stacey, Ph. D., Instr. in Latin, High School, Brooklyn.
Joseph Moody Willard, A. B., Prof. of Mathematics, Pennsylvania State Coll.

1892

Burleigh Smart Annis, A. B., late Instr. in Mathematics, High School, Hartford, Conn.; Chattanooga, Tenn.
Lewellys Franklin Barker, M. B., Prof. of Medicine.
Rev. Melvin Brandow, A. B., Assistant Librarian, 1894-1903; Clergyman, Lancaster, Pa.
Alexander Mitchell Carroll, Ph. D., Head Prof. of Classical Philol., Geo. Washington Univ.
Harry Max Ferren, A. B., Instr. in German, Allegheny (Pa.) High School.
David Hull Holmes, Ph. D., Classical Instr., High School, Brooklyn.
Arthur John Hopkins, Ph. D., Assoc. Prof. of Chemistry, Amherst Coll.
Theodore Hough, Ph. D., Assoc. Prof. of Biology, Simmons Coll., Boston.
James Alton James, Ph. D., Prof. of European History, Northwestern Univ.
Francis Plaisted King, Ph. D., Asst. Geologist of Georgia, 1893-96.
Emory Bair Lease, Ph. D., Instr. in Latin, College of the City of New York.
*Edward Payson Manning, Ph. D., Instr. in Mathematics, St. Lawrence Univ., 1894-95.
*Louis Emil Menger, Ph. D., Assoc. Prof. and Prof. of Romance Philol., Bryn Mawr, 1897-03.
*Lucius Salisbury Merriam, Ph. D., Instr. in Political Economy, Cornell, 1893-94.
Mayo Maynard Metcalf, Ph. D., Bruce Fellow, 1893; Prof. of Zoology, Oberlin Coll.
*René de Poyen-Bellisle, Ph. D., Instr. in Romance Philol., Chicago, 1894-1900.
Arthur Percy Saunders, Ph. D., Prof. of Chemistry, Hamilton Coll.
Rev. Daniel Gurden Stevens, Jr., Ph. D., Clergyman, Bryn Mawr, Pa.—[1892-94].
Frederick Tupper, Jr., Ph. D., Prof. of Rhetoric and English Lit., Univ. of Vermont.
Frank Alfred Wolff, Jr., Ph. D., Prof. of Physics, George Washington Univ.; Physicist, Bureau of Standards, Washington.

1893

Thomas Stockham Baker, Ph. D., Prof. of Mod. Lang., Tome Inst.; Lecturer in German.
John Spencer Bassett, Ph. D., Prof. of History, Trinity Coll., N. C.
George Melville Bolling, Ph. D., Assoc. Prof. of Greek and Comp. Philol., Catholic Univ.
Abraham Cohen, Ph. D., Associate in Mathematics.
Ervin Sidney Ferry, S. B., Prof. of Physics, Purdue Univ.
William Francis Gallaway, Ph. D., Princ., Chatham Acad., Savannah, Ga.
Ross Granville Harrison, Ph. D., M. D., Bruce Fellow, 1894; Assoc. Prof. of Anatomy.
Bert Holmes Hite, M. S., Prof. of Agric. Chemistry, West Va. Univ.—[1893-95].
Samuel Verplanck Hoffman, M. E., New York.
Jacob H. Hollander, Ph. D., Prof. of Polit. Economy.
Charles William Leverett Johnson, Ph. D., Instr. in Latin, Princeton, 1900-03.
George Wesley Johnston, Ph. D., Lecturer in Latin, Univ. of Toronto.
George Charles Keidel, Ph. D., Assoc. in Romance Languages.—[1893-95].
Edward Bennett Mathews, Ph. D., Prof. of Mineralogy and Petrography.
Edwin Fitch Northrup, Ph. D., Assoc. Prof. of Physics, Univ. of Texas, 1896-97; Philadelphia.—[1893-95].
*Alfred William Stratton, Ph. D., Registrar, Univ. of the Punjab, and Prof. of Sanskrit, Oriental Coll., Lahore, India, 1899-02.
Frederick Henry Sykes, Ph. D., Director, Extension Teaching, Columbia Univ.
George Francis Weida, Ph. D., Prof. of Chemistry, Ripon Coll., Wis.

1894

Arthur Fisher Bentley, Ph. D., Chicago.
Samuel Walker Beyer, Ph. D., Assoc. Prof. of Geology, Iowa Agric. Coll.
Clarence Griffin Child, Ph. D., Asst. Editor, Worcester's Dictionary; Asst. Prof. of English, Univ. of Pa.
Frank Hollinger Clutz, Ph. D., Kansas City, Mo.—[1894-96].
Fonger DeHaan, Ph. D., Assoc. Prof. of Spanish, Bryn Mawr. *Did not enter on the fellowship.*
Henry Stewart Gane, Ph. D., U. S. Geological Survey, Washington.
William August Haussmann, Ph. D., Instr. in German, Central High School, Philadelphia.

Reid Hunt, Ph. D., M. D., Pharmacologist, Bureau of Public Health, Washington.—[1894-96].
Thomas Franklin Kane, Ph. D., Pres. and Prof. of Latin, Univ. of Washington.
William Hamilton Kirk, Ph. D., Prof. of Latin, Rutgers Coll.
Henry McElderry Knower, Ph. D., Bruce Fellow, 1895-96; Instr. in Anatomy.
George Lefevre, Ph. D., Bruce Fellow, 1895-97; Prof. of Zoology, Univ. of Missouri.
Caspar Levias, A. B., Prof. of Exegesis and Hebrew Grammar, Hebrew Union Coll., Cincinnati. *Reappointed* 1895, *but resigned.*
William Henry Maltble, Ph. D., Prof. of Mathematics, Woman's Col., Balt.
Thomas Francis Moran, Ph. D., Prof. of History and Economics, Purdue Univ.
Louis Trenchard More, Ph. D., Prof. of Physics, Univ. of Cincinnati.
James Flack Norris, Ph. D., Prof. of Chemistry, Simmons Coll., Boston.
Herbert Dodge Pease, M. D., Lecturer, Albany Med. School.

1895

Norman Ross Carmichael, A. M., Assoc. Prof. of Physics, School of Mining, Kingston, Ont.
Arthur Douglas Chambers, Ph. D., Chemist, Ashburn, Mo.
*Franklin Story Conant, Ph. D., Bruce Fellow, 1897.
Rev. Eneas Bernard Goodwin, A. B., Prof. of Greek, St. Cyril's Coll., Chicago.
William Jackson Humphreys, Ph. D., Physicist, U. S. Weather Bureau, Mt. Weather, Va.
Oliver Martin Johnston, Ph. D., Asst. Prof. of Romanic Lang., Stanford Univ.
Gordon Jennings Laing, Ph. D., Asst. Prof. of Latin, Univ. of Chicago.
*Louis Eugene Livingood, M. D., Asst. in Pathology, 1896-98, and Associate, 1898.
Ebenezer Mackay, Ph. D., Prof. of Chemistry and Mineralogy, Dalhousie Univ., N. S.
John McLaren McBryde, Jr., Ph. D., Sec., Sweetbriar Inst., Amherst, Va.
Henry Ludwell Moore, Ph. D., Adjunct Prof. of Economics, Columbia.
Charles William Peppler, Ph. D., Prof. of Greek, Emory Coll., Ga.
Franklin Lafayette Riley, Ph. D., Prof. of History, Univ. of Miss.
Frederick George Gottlob Schmidt, Ph. D., Prof. of Modern Lang., Univ. of Oregon.
John Adams Scott, Ph. D., Prof. of Greek, Northwestern Univ.
George Otis Smith, Ph. D., U. S. Geological Survey, Washington.
M. Victor Staley, Ph. D., late Prof., Univ. of Washington.
Thomas Hardy Taliaferro, Ph. D., Pres., Florida Agric. Coll., 1901-04.
Harry Langford Wilson, Ph. D., LL. D., Prof. of Roman Archaeol., etc.; Prof. American School of Class. Studies in Rome, 1896-07. *Did not enter on the fellowship.*

1896

Edward Cooke Armstrong, Ph. D., Assoc. Prof. of French.
James Morton Callahan, Ph. D., Prof. of Hist. and Pol. Sci., West Va. Univ.
Edward Perkins Carter, M. D., Physician, Cleveland, Ohio.
Hubert Lyman Clark, Ph. D., Asst. in Invert. Zool., Harvard.
Noah Ernest Dorsey, Ph. D., Physicist, Bureau of Standards, Washington.
Pelham Edgar, Ph. D., Prof. of French, Victoria Univ., Ont.
Edwin Luther Green, Ph. D., Adjunct Prof. of Ancient Lang., S. Carolina Coll.
Arthur Sewall Haggett, Ph. D., Prof. of Greek, Univ. of Washington.
William Edwards Henderson, Ph. D., Asst. Prof. of Anal. Chemistry, Ohio State Univ.
Charles Hoeing, Ph. D., Instr. in Latin and Librarian, Univ. of Rochester.—[1896-98].
Duncan Starr Johnson, Ph. D., Bruce Fellow, 1887-98; Prof. of Botany.
Rev. Paul Henry Land, A. B., Clergyman, Lima, Ohio.
Omera Floyd Long, Ph. D., Asst. Prof. of Latin, Northwestern Univ.
William Tyler Mather, Ph. D., Assoc. Prof. of Physics, Univ. of Texas.
John Frederick Mohler, Ph. D., Prof. of Physics, Dickinson Coll. *Did not enter on the fellowship.*
Jens Anderson Ness, Ph. D., Instr. in Latin, Wittenberg Coll., O.—[1896-98].
Alexander Pell, Ph. D., Prof. of Mathematics, Univ. of South Dakota.
Cornelius William Prettyman, Ph. D., Prof. of German, Dickinson Coll.
*Charles Dabney Ragland, Ph. D., Prof. of Chemistry, Randolph-Macon Coll., 1896-1900.
Frank Roy Rutter, Ph. D., Dept. of Agriculture, Washington.
George Burbank Shattuck, Ph. D., late Assoc. Prof. of Physiographic Geology.

1897

Cleveland Abbe, Jr., Ph. D., U. S. Geol. Survey, Washington.
Charles Hillman Brough, Ph. D., LL. B., Prof. of Philosophy and History, Hillman Coll., Miss.
Pierce Butler, Ph. D., Prof. of History, Tulane Univ.—[1897-99].
Killis Campbell, Ph. D., Instr. in English, Univ. of Texas.
Gilman Arthur Drew, Ph. D., Bruce Fellow, 1896; Prof. of Biology, Univ. of Maine.
Charles Wilson Greene, Ph. D., Prof. of Physiology, Univ. of Missouri.
Karl Joseph Grimm, Ph. D., Rayner Fellow, 1899-01; Prof. of German, French, and Hebrew, Ursinus Coll.—[1897-99].
James Graham Hardy, Ph. D., Asst. Prof. of Mathematics, Williams Coll.
William App Jones, Ph. D., Analytical Chemist, New York.
William Kurrelmeyer, Ph. D., Instr. in German.—[1897-99].
Guy Carleton Lee, Ph. D., Instr. in History, 1896-1904.
Charles Elwood Mendenhall, Ph. D., Asst. Prof. of Physics, Univ. of Wisconsin.
Samuel Alfred Mitchell, Ph. D., Tutor in Astronomy, Columbia.
Joseph Longworth Nichols, A. B., M. D., Saranac Lake, N. Y.
William Albert Nitze, Ph. D., Prof. of Romance Lang., Amherst.
Daniel Allen Penick, Ph. D., Asst. Prof. of Greek and Latin, Univ. of Texas.
Ebenezer Emmet Reid, Ph. D., Prof. of Chemistry and Physics, Baylor Univ.
William Berney Saffold, Ph. D., Prof. of Latin, Univ. of Alabama. *Did not enter on the fellowship.*
Henry Nevill Sanders, Ph. D., Assoc. Prof. of Greek, Bryn Mawr.
Charles William Waidner, Ph. D., Physicist, Bureau of Standards, Washington.

1898

Thomas Sewall Adams, Ph. D., Asst. Prof. of Economics, Univ. of Wisconsin.
John William Basore, Ph. D., Preceptor in Classics, Princeton.
Frank Ringgold Blake, Ph. D., Instr. in Oriental Lang.—[1898-1902].
Joseph Scudder Chamberlain, Ph. D., Chemist, Dept. of Agriculture, Washington.
Percy Millard Dawson, A.B., M. D., Assoc. Prof. of Physiology.
George Stronach Fraps, Ph. D., Prof. of Chemistry, A. and M. Coll. of Texas, and State Chemist.
Pierre Joseph Freta, Ph. D., Prof. of French, Univ. of Washington.
Leonidas Chalmers Glenn, Ph. D., Prof. of Geology, Vanderbilt Univ.
Caswell Grave, Ph. D., Bruce Fellow, 1898-02; Assoc. Prof. of Zoology; State Shell-Fish Commissioner, Balt.
Hollister Adelbert Hamilton, Ph. D., Prof. of Greek, Elmira Coll.
George Oscar James, Ph. D., Instr. in Mathematics, Washington Univ., St. Louis.
Joseph Francis Merrill, Ph. D., Director, School of Mines, and Prof. of Physics, etc., Univ. of Utah.
Alfred William Milden, Ph. D., Prof. of Classics, Emory and Henry Coll.
Eugene Lindsay Opie, A. B., M. D., Associate, Rockefeller Institute, N. Y.
Frederick Albert Saunders, Ph. D., Prof. of Physics, Syracuse Univ.
Laurence Frederick Schmeckebier, Ph. D., U. S. Geological Survey, Washington.
Henry Skinner West, Ph. D., Asst. to the Superintendent of Schools, Balt.

1899

George Ernest Barnett, Ph. D., Assoc. Prof. of Polit. Economy. *Reappointed 1900, but resigned.*
William Martin Blanchard, Ph. D., Asst. Prof. of Chemistry, De Pauw Univ.
Charles Edward Caspari, Ph. D., Prof. of Chemistry, St. Louis Coll. of Pharmacy. *Did not enter on the fellowship.*
Luther Pfahler Eisenhart, Ph. D., Preceptor in Mathematics, Princeton.
Herbert Baldwin Foster, Ph. D., Acting Prof. of Greek, Lehigh Univ., 1904-05.
William Linwood Foushee, Ph. D., Prof. of Latin, Richmond Coll.
Clyde Chew Glasscock, Ph. D., Asst. Prof. of German, Yale.
Lawrence Edmonds Griffin, Ph. D., Bruce Fellow, 1900; Prof. of Biology, Missouri Valley Coll.
Street N. Hagen, Ph. D., Instr. in English, Iowa Univ., 1900-04; Asst. Editor, *Worcester's Dictionary*, Phila.
Joseph Cawdell Herrick, Ph. D., Instructor in Sciences, St. Joseph's Sem., Yonkers, N. Y.

*Julian Huguenin, Ph. D., Acting Prof. of English, Univ. of Louisiana, 1900-01.
Walter Hullihen, Ph. D., Prof. of Latin, Grant Univ., Tenn.
Charles August Kraus, S. B., Research Asst. in Phys. Chem., Mass. Inst. of Tech.
Harry Taylor Marshall, A. B., M. D., Instr. in Pediatrics.
John Charles Olsen, Ph. D., Prof. of Anal. Chemistry, Brooklyn Polytechnic Inst.
Herbert Meredith Reese, Ph. D., Instr. in Physics, Univ. of Missouri.
George Burr Richardson, Ph. D., U. S. Geological Survey, Washington.
*Richard Burton Rowe, Ph. D., U. S. Geological Survey, 1900-02.
James Eustace Shaw, Ph. D., Associate in Italian.
Charles Clinton Weaver, Ph. D., Prof. of History, Davenport Coll., N. C.

1900

Herbert Thompson Archibald, Ph. D., Prof. of Greek, Occidental Coll., Cal.
George Dobbin Brown, Ph. D., Instr. in English, Baltimore.
Benjamin Palmer Caldwell, Ph. D., Asst. Prof. of Chemistry, Tulane Univ.
Howard Vernon Canter, Ph. D., Instr. in Latin, Univ. of Missouri. *Did not enter on the fellowship.*
Winterton Conway Curtis, Ph. D., Asst. Prof. of Zoology, Univ. of Missouri.
Waverly Bayard Daniel, Ph. D., Prof. of Latin, Baylor Univ., Texas.
Joseph Erlanger, M. D., Prof. of Physiology, Univ. of Wisconsin. *Did not enter on the fellowship.*
Arthur Henry Ewing, Ph. D., Prof., Christian Coll., Allahabad, India.
Joseph Christie Whitney Frazer, Ph. D., Associate in Chemistry.
Norman Everett Gilbert, Ph. D., Asst. Prof. of Physics, Dartmouth Coll.
Roscoe Guernsey, Ph. D., Tutor in Greek, Columbia. *Reappointed* 1901, *but resigned.*
Fred Cole Hicks, Ph. D., Instructor in German, Monmouth Coll., Ill.
George Curtis Martin, Ph. D., Instr. in Paleontology, 1901-04; U. S. Geological Survey.
William Elejius Martin, Ph. D., Prof. of History, Emory and Henry Coll., Va.
Charles Alfred Mosemiller, A. B., Assoc. Prof. of Romance Lang., Indiana Univ.
Roland Jessup Mulford, Ph. D., Head Master, Cheshire School, Conn.
Louis Alexander Parsons, Ph. D., Instr. in Physics, Univ. of Cal.—[1900-02].
Israel Euclid Rabinovitch, Ph. D., New York City.
Charles Sidney Smith, A. M., Asst. Prof. of Greek and Latin, George Washington Univ.; Fellow by Courtesy. *Did not enter on the fellowship.*
Percy Goldthwait Stiles, Ph. D., Instr. in Anatomy and Physiology, Mass. Inst. of Tech. and Simmons Coll., Boston. *Did not enter on the fellowship.*
Gordon Wilson, M. D., Physician, Baltimore.

1901

Francis Marion Austin, A. B., Prof. of Latin, Ill. Wesleyan Univ. *Did not enter on the fellowship.*
LeRoy Carr Barret, Ph. D., Instr. in Latin.—[1901-03].
George Olaf Berg, Ph. D., Acting Prof. of Greek, St. Olaf Coll., Minn.—[1901-03].
Arthur Byron Coble, Ph. D., Instr. in Mathematics.
Rheinart Parker Cowles, Ph. D., Bruce Fellow, 1902-04; Asst. in Biology.
Albert Eugene Curdy, Ph. D., Instr. in French, Yale.
Philip Howard Edwards, Ph. D., Latin Master, Friends' School, Balt.—[1901-03].
James Warner Harry, Ph. D., Baltimore.
Edward Pechin Hyde, Ph. D., Physicist, Bureau of Standards, Washington.
Herman Kurrelmeyer, Ph. D., Instr. in German, Mass. Inst. of Technology.
Charles Fowler Lindsay, Ph. D., Research Chemist, Gen. Electric Co., Schenectady.
Robert Edward Loving, Ph. D., Prof. of Physics and Chem., Blackburn Coll., Ill. *Did not enter on the fellowship.*
Louis Wardlaw Miles, Ph. D., Instr. in English, Princeton.
Benjamin Leroy Miller, Ph. D., Assoc. in Geology, Bryn Mawr.
Gabriel Oussani, A. B., S. T. B., Rayner Fellow, 1903; Prof. of Italian, Latin, and Oriental Lang., Catholic Seminary, N. Y.—[1901-03].
Charles Oscar Paullin, S. B., Washington, D. C. *Did not enter on the fellowship.*

George Ragland, A. B., Prof. of Greek, Baylor Univ., Texas. *Did not enter on the fellowship.*
M. Llewellyn Raney, Ph. D., Asst. Librarian.—[1901-03].
Dorothy M. Reed, M. D., Resident Physician, Babies' Hospital, New York.
Daniel Naylor Shoemaker, Ph. D., Botanist, U. S. Dept. of Agriculture, Waco, Texas.
William Stone Weedon, Ph. D., Research Chemist, Wilmington, Del.

1902

Elbert Jay Benton, Ph. D., Prof. of History, Western Reserve Univ.
Charles Keyser Edmunds, Ph. D., Prof. of Physics, Christian Coll., Canton, China.
Frederick Hutton Getman, Ph. D., Instr. in Chemistry, N. Y. City Coll.
Yukimasa Hattori, Ph. D.
John Gale Hun, Ph. D., Instr. in Mathematics, Princeton.
Albert Johannsen, Ph. D., U. S. Geological Survey, Washington.
Alfred Allan Kern, A. M., Prof. of English, Millsaps Coll., Miss.
Ernest Gale Martin, Ph. D., Instr. in Anatomy and Physiology, Purdue Univ.
Alfred James Morrison, Ph. D., Prof. of Latin and German, Hampden-Sidney Coll.
Walter Thomson Peirce, A. B., Asst. Prof. of French, Indiana Univ., 1902-05; Fellow by Courtesy.
Robert Bruce Roulston, A. B., German Master, Country School for Boys, Balt.
John Philip Schneider, Ph. D., Prof. of English, Wittenberg Coll.
Arthur Whitmore Smith, Ph. D., Asst. in Physics, Univ. of Mich.
David Hilt Tennent, Ph. D., Bruce Fellow, 1904; Lecturer in Zoology, Bryn Mawr.—[1902-04].
Roy McLean Van Wart, A. B., M. D. C. M., Tulane Univ.
Kisaburo Yamaguchi, Ph. D., Chemist, Furukawa Central Office of Mines, Tokyo.

1903

Samuel James Allen, Ph. D., Asst. in Physics, Univ. of Cincinnati.
James Barnes, Ph. D., Associate in Physics, Bryn Mawr.
Douglas Labaree Buffum, Ph. D., Preceptor in Mod. Lang., Princeton.
Walter Buckingham Carver, Ph. D., Instr. in Mathematics, Cornell Univ.
Howard Waters Doughty, Ph. D., Instr. in Chemistry, Univ. of Missouri.
Aaron Ember, Ph. D., Rayner Fellow, 1904-06; Instr. in Semitic Lang.
John Calvin French, Ph. D., Instr. in English.
August Ernest Guenther, Ph. D., Asst. Prof. of Physiology, Univ. of Nebraska. *Reappointed 1904, but resigned.*
Elliot Snell Hall, Ph. D., Instr. in Chemistry, Univ. of Chicago.
Lee Milton Hollander, Ph. D., Christiania, Norway.
John Porter Hollis, Ph. D., Bureau of Corporations, Washington.
Arthur Isaac Kendall, Ph. D., Bacteriologist, Ancon Hospital, Panama, S. A.
William Kirk, Ph. D., Instr. in Economics, Brown Univ.
Winfred George Leutner, Ph. D., Prof. of Greek, Wittenberg Coll. *Did not enter on the fellowship.*
Raymond Durbin Miller, Ph. D., Instr. in English, Univ. of Texas.
Walter Lewis Moll, A. B., Instr. in Greek, Concordia Coll., Ind.
Theodore Leslie Shear, Ph. D., Tutor in Greek, Columbia Univ.
Charles Kephart Swartz, Ph. D., Assoc. in Geology and Paleontology.
Boyd Ashby Wise, Ph. D., Classical Instr., Belmont, Cal. [1903-05].
James Martin Wright, Ph. D., Asst. in History.

1904

Victor Hugo Bassett, A. B., M. D., Prof. of Pathology, College of Phys. and Surg., Milwaukee.
Hamilton Bradshaw, Ph. D., Research Chemist, Woodbury, N. J.
Oliver Perry Chitwood, Ph. D., Instr. in History, Mercer Univ.
Robert Treat Crane, A. B., Fellow by Courtesy.
Charles Eugene Mathews, A. B., Instr. in Mod. Lang., Princeton.
Ashton Waugh McWhorter, Ph. D., Instr. in Greek and Latin, George Washington Univ.
William John Miller, Ph. D., Prof. of Geology, Hamilton Coll.
James Marvin Morley, Ph. D., Instr. in Polit. Econ.

Samuel Grant Oliphant, Ph. D., Henry E. Johnston Scholar in Sanskrit.—[1904-06].
Henry Bayard Phillips, Ph. D., Instr. in Mathematics, Univ. of Cincinnati.
James Temple Porter, Ph. D., Instr. in Physics, Randolph-Macon Coll.
Robert Lee Ramsay, Ph. D., Asst. in English.
Robert Retzer, M. D., Instr. in Anatomy.
Andrew Dante Schrag, Ph. D., Fellow by Courtesy.
Forrest Shreve, Ph. D., Bruce Fellow, 1905-06; Instr. in Botany, Woman's Coll., Balt.
Levi Shoemaker Taylor, Ph. D., Science Instr. Friends' Central School, Phila.
Horace Scudder Uhler, Ph. D.; Carnegie Research Asst. in Physical Chemistry.
Robert Daniel Williams, A. M., Fellow in Philosophy.—[1904-06].
Louis Bernard Wolfenson, A. M., Fellow by Courtesy.

The list of the present holders of fellowships is given on page 18.
The whole number appointed in thirty years is 518.

Degrees Conferred, 1878–1906

Doctor of Laws (Honorary)

1881

*Rutherford B. Hayes, President of the United States.

1902

Edwin Anderson Alderman, President of the University of Virginia.
James Burrill Angell, President of the University of Michigan.
John Shaw Billings, Director of the New York Public Library.
Nicholas Murray Butler, President of Columbia University.
Charles William Dabney, President of the University of Cincinnati.
Charles William Eliot, President of Harvard University.
Arthur Twining Hadley, President of Yale University.
Granville Stanley Hall, President of Clark University.
*William Rainey Harper, President of the University of Chicago.
John Franklin Jameson, Director, Department of Historical Research, Carnegie Institute, Washington.
David Starr Jordan, President of Leland Stanford Junior University.
James Loudon, President of the University of Toronto.
John William Mallet, Professor of Chemistry in the University of Virginia.
Simon Newcomb, Professor of Mathematics, United States Navy.
Francis Landey Patton, President of Princeton Theological Seminary.
William Peterson, Principal of McGill University.
Henry Smith Pritchett, President of the Massachusetts Institute of Technology.
Josiah Royce, Professor of the History of Philosophy in Harvard University.
James Schouler, Historian, Boston, Mass.
Charles Doolittle Walcott, Superintendent of the United States Geological Survey.
Benjamin Ide Wheeler, President of the University of California.
Andrew Dickson White, late Ambassador of the United States in Germany.
Edmund Beecher Wilson, Professor of Zoology in Columbia University.
Woodrow Wilson, President of Princeton University.

1903

Joseph John Thomson, Cavendish Professor of Experimental Physics in the University of Cambridge.

1905

William Osler, Emeritus Professor of the Principles and Practice of Medicine in the Johns Hopkins University, Regius Professor in the University of Oxford.

Albert von Pfister, President of the Württemberg Society of History and Antiquities.

DOCTOR OF PHILOSOPHY (HONORARY)

1880

Henry Augustus Rowland, Professor of Physics in the Johns Hopkins University.

DOCTOR OF PHILOSOPHY

When the institution is not named, this university is to be understood. (F) indicates that the person has held a fellowship here. *—Died.

1878

Henry Carter Adams, (F), A. B. Iowa 1874; LL. D. Wisconsin 1904; Instr. 1879-81, Lecturer 1892-94; Lecturer and Assoc. Prof. Cornell 1879-87.—Prof. Pol. Econ. Univ. of Mich.; Statistician, Interstate Commerce Commission.

*Thomas Craig, (F), C. E. Lafayette 1875; U. S. Coast Survey 1879-81; Instr. Assoc. Assoc. Prof. Prof. Math. 1879-1900; Editor *American Journal of Mathematics* 1894-1899. **May* 8, 1900.

Josiah Royce, (F), California (A. B. 1875, Asst. Prof. 1878-82); LL. D. 1902.—Prof. Hist. of Philos. Harvard; Lecturer 1905-06.

Ernest Gottlieb Sihler, (F), Concordia (Ind.) 1869; Prof. Concordia (Milwaukee) 1891-92.—Prof. Latin, N. Y. Univ. (4)

1879

Maurice Bloomfield, (F), A. M. Furman 1877; LL. D. Princeton 1896.—Prof. Sanskrit and Compar. Philol.

Samuel Fessenden Clarke, (F), Ph. B. Yale 1878; Asst. 1879-81.—Prof. Natural Hist. Williams Coll.

George Bruce Halsted, (F), Princeton (A. B. 1875, Tutor and Instr. 1878-84); Prof. Univ. of Texas 1884-1903, St. John's Md. 1903.—Prof. Math. Kenyon Coll. Gambier, O.

Edward Hart, (F), S. B. Lafayette 1874.—Prof. Anal. Chem. Lafayette Coll.

William White Jacques, (F), Mass. Inst. Tech. (S. B. 1876, Lecturer 1885-91). — Scientific Investigator, Boston.

Henry Sewall, (F), S. B. Wesleyan 1876; Assoc. 1880-82; Mich. (Hon. M. D. 1888, Prof. 1882-89); M. D. Univ. of Colo. 1889.—Prof. Physiol. Univ. of Denver. (6)

1880

Francis Greenleaf Allinson, (F), Haverford (A. B. 1876, Asst. Prof. 1880-82); A. B. Harvard 1877; Assoc. Prof. Williams 1892-95.—Prof. Class. Philol. Brown.

Fabian Franklin, (F), Columbian (Ph. B. 1869, LL. D. 1904); Asst. Assoc. Assoc. Prof. Prof. Math. 1879-95.—Editor *Baltimore News*.

Edwin Herbert Hall, (F), A. B. Bowdoin 1875; Asst. 1880-81. — Prof. Physics, Harvard.

Allan Marquand, (F), A. B. Princeton 1874; L. H. D. Hobart 1888.—Prof. Art and Archæol. Princeton.

Washington Irving Stringham, (F), A. B. Harvard 1877.—Prof. Math. Univ. of Cal. Berkeley. (5)

1881

Louis Bevier, (F), A. B. Rutgers 1878.—Prof. Greek, Rutgers.

Robert Dorsey Coale, (F), Asst. 1881-83.—Prof. Chem. and Dean of Med. Faculty, Univ. of Md.

Edward Allen Fay, A. B. Mich. 1862. —Vice-Pres. and Prof. Lang. Gallaudet Coll. D. C.

Lawrence Bunting Fletcher, (F), A. B. Columbia 1877; Instr. Physics, Wesleyan 1882-83.

Samuel Garner, A. B. St. John's 1871; Prof. Mod. Lang. Univ. of Ind. 1881-87, U. S. Naval Acad. 1887-99.—Annapolis.

Edward Mussey Hartwell, (F), Amherst (A. B. 1873, LL. D. 1898); M. D. Miami Med. Coll. 1882; Instr. and Assoc. 1883-91; Director, Phys. Train. Boston Schools 1891-97.—Sec. Dept. of Munic. Statistics, Boston.

William Thompson Sedgwick, (F), Ph. B. Yale 1877; Asst. and Assoc. 1880-83.—Prof. Biol. Mass. Inst.

Tech.; Curator, Lowell Inst. Boston; Lecturer, Simmons Coll.

Christian Sihler, (F), Concordia (Ind.) 1866; M. D. Mich. 1871; Asst. 1879-80; Instr. and Acting Prof. Western Reserve 1888-94. — Physician, Cleveland, O.

Edmund Beecher Wilson, (F), Ph. B. Yale 1878; Asst. 1881-82, LL. D. 1902; LL. D. Chicago and Clark 1901; Lecturer, Williams 1883-84; Assoc. Prof. and Prof. Bryn Mawr 1885-91.—Prof. Zool. Columbia. (9)

1882

James Wilson Bright, (F), A. B. Lafayette 1877; Instr. Cornell 1885.—Donovan Prof. English Lit.; Assoc. Ed. *Modern Lang. Notes.*

John Franklin Jameson, (F), Amherst (A. B. 1879, LL. D. 1898); Asst. and Assoc. 1882-88, Lecturer 1890-91, LL. D. 1902; Prof. Brown 1888-1901; Prof. Univ. of Chicago 1901-05.—Director, Dept. of Hist. Research, Carnegie Inst. Wash.

Mitsuru Kuhara, (F), Tokyo (S. B. 1877, Lecturer 1882-87). — Prof. Chem. and Director, Coll. of Sci. and Eng. Univ. of Kyoto.

Robert Wright Mahon, C. E. Lehigh 1876; Tutor, Lafayette 1882-83; Acting Prof. Chem. Rose Polytech. 1888-89.

*Oscar Howard Mitchell, (F), Marietta (A. B. 1875, Prof. Math. 1882-89). **March* 29, 1889.

George Frederick Nicolassen, (F), A. B. Virginia 1879; Asst. 1881-82.—Prof. Greek and German, Southwestern Presb. Univ. Clarksville, Tenn.

William Albert Noyes, A. B. Iowa 1879; Instr. Univ. of Minn. 1882-83; Prof. Chem. Univ. of Tenn. 1883-86, Rose Polytech. Inst. 1886-1903.—Chief Chemist, National Bureau of Standards, Wash.

Chase Palmer, (F), A. B. 1879; Asst. Mass. Inst. Tech. 1882-83, Tufts Coll. 1887-88; Prof. Mass. Norm. School, Salem 1883-87, Wabash Coll. 1888-90, Manual Train. School, Louisville 1895-1901, Central Univ. Ky. 1901-05.—Prof. Chem. Ky. State Coll. Lexington.

Edward Henry Spieker, (F), A. B. 1879.—Assoc. Prof. Greek and Latin. (9)

1883

William John Alexander, (F), A. B. London 1876; Prof. Dalhousie 1883-89.—Prof. English, Toronto.

*William Cathcart Day, (F), A. B. 1880; Prof. Chem. St. John's 1883-84, Univ. of Nashville 1884-87, Swarthmore 1887-1901. **August* 15, 1905.

William Pitt Durfee, (F), A. B. Mich. 1876.—Prof. Math. and Dean, Hobart Coll. Geneva, N. Y.

George Stetson Ely, (F), A. B. Amherst 1878; Prof. Math. Buchtel 1883-84.—Principal Examiner, U. S. Patent Office.

Kakichi Mitsukuri, (F), Ph. B. Yale 1879.—Prof. Zool. Univ. of Tokyo.

Bernard Francis O'Connor, (F), B. ès Lett. Univ. of France 1874; Instr. and Adj. Prof. Romance Lang. Columbia, 1883-91. — New York. (6)

1884

Herbert William Conn, A. B. Boston Univ. 1881; Asst. 1883-84.—Prof. Biol. Wesleyan, Middletown, Conn.

Ellery William Davis, (F), S. B. Wis. 1879; Prof. Florida Agric. 1884-88, S. C. Univ. 1888-93.—Prof. Math. Univ. of Neb. Lincoln.

David Talbot Day, (F), A. B. 1881.—U. S. Geol. Survey, Washington.

John Dewey, (F), A. B. Univ. of Vt. 1879; Instr. and Prof. Mich. 1884-94, Chicago 1894-04.—Prof. Philos. Columbia.

*James Reynolds Duggan, (F), A. B. Mercer 1877; M. D. Jefferson 1879; Prof. Chem. Wake Forest 1886-88. **January* 10, 1888.

William Henry Howell, (F), A. B. 1881; Mich. (Hon. M. D. 1890, Lecturer and Prof. 1889-92); Assoc. Prof. Harvard 1892-93; LL. D. Trinity 1901.—Prof. Physiol. and Dean, Med. Faculty.

Hans Carl Günther von Jagemann, (F), Naumburg Gymnas. 1876; Prof. Earlham 1884-85, Indiana Univ. 1885-89.—Prof. Germanic Philol. Harvard.

Edward Harrison Keiser, (F), S. B. Swarthmore 1880; Asst. 1884-85; Assoc. Prof. and Prof. Bryn Mawr 1885-99.—Prof. Chem. Washington Univ. St. Louis.

Arthur Lalanne Kimball, (F), A. B. Princeton 1881; Assoc. and Assoc. Prof. 1884-91.—Prof. Physics, Amherst.

Henry Leslie Osborn, (F), A. B. Wesleyan 1878; Prof. Purdue 1884-87.—Prof. Biol. and Geol. Hamline Univ. St. Paul, Minn.

Charles Albert Perkins, (F), A. B. Williams 1879; Asst. 1884-87; Assoc. Bryn Mawr 1887-91; Prof. Hampden Sidney 1891-92.—Prof. Physics Univ. of Tenn., Knoxville.

Albert Shaw, A. B. Iowa 1879; Reader 1889-90, Lecturer 1891-92. — Editor *The Review of Reviews*, New York.

Henry Newlin Stokes, (F), S. B. Haverford 1879; Asst. Prof. Chem. Chicago 1893-94.—Asst. Chemist, Bureau of Standards, Washington.

Lewis Webb Wilhelm, (F), A. B. 1880. — Vice-Prin. College Prep. School, Balt.

Arthur Yager, A. B. Georgetown (Ky) 1878.—Prof. Hist. Georgetown. (15)

1885

Edward Webster Bemis, Amherst (A. B. 1880, Instr. 1885-86); Adj. Prof. Vanderbilt 1886-92; Assoc. Prof. Polit. Econ. Chicago 1892-95. —Supt. City Water Works, Cleveland.

Gustav Bissing, (F), A. B. 1882; Examiner U. S. Patent Office 1884-97. —Pat. Atty. Washington.

Henry Herbert Donaldson, (F), A. B. Yale 1879; Asst. 1883-84, Instr. and Assoc. 1885-89; Asst. Prof. Clark, 1889-92; Prof. Chicago 1892-1905.—Prof. Neurol. Wistar Inst. Univ. of Pa.

Louis Duncan, U. S. Naval Acad. 1880; Assoc. and Assoc. Prof. 1886-99; Prof. Mass. Inst. Tech. 1902-04. —Consulting Prof. Electric Traction, Brooklyn Polytech. Inst.

Homer Winthrop Hillyer, (F), Wis. (S. B. 1882, Instr. 1885-98).—Asst. Prof. Organic Chem. Univ. of Wis.

Frederic Schiller Lee, (F), St. Lawrence Univ. (A. B. 1879, Instr. 1886-87); Assoc. Bryn Mawr 1887-91.—Prof. Physiol. Columbia.

*Gustav Adolph Liebig, Jr. (F), A. B. 1882, Asst. 1887-90. **February* 10, 1897.

James Playfair McMurrich, A. B. Toronto 1879; Instr. 1884-86; Prof. Haverford 1886-89; Instr. Clark 1889-91; Prof. Cincinnati 1891-94.—Prof. Anatomy, Univ. of Mich.

Albert Gallatin Palmer, (F), A. B. 1882; Asst. and Asst. Prof. Chem. Swarthmore 1885-87.—Norwood, Md.

Harry Fielding Reid, (F), A. B. 1880; Prof. Case School, 1886-94; Assoc. Prof. Chicago 1895-97.—Prof. Geol. Physics.

Henry Alford Short, Columbia (A. B. 1880, Fellow 1880-83, Tutor 1885-88). —New York.

Morrison Isaac Swift, (F), A. B. Williams 1879; Instr. Philos. Hobart 1882-84.

Henry Alfred Todd, A. B. Princeton 1876; Instr. and Assoc. 1883-91; Prof. Stanford 1891-93.—Prof. Romance Philol. Columbia. (13)

1886

William Shirley Bayley, (F), A. B. 1883; Prof. Mineral. and Geol. Colby 1888-1904.—U. S. Geol. Survey; S. Bethlehem, Pa.

*Adam Todd Bruce, (F), A. B. Princeton 1881; Instr. Osteol. 1886-87. *February 9, 1887.

Davis Rich Dewey, (F), A. B. Univ. of Vt. 1879; Lecturer 1895-96.—Prof. Economics, Mass. Inst. Tech.

William Henry Emerson, (F), U. S. Naval Acad. 1880; Prof. S. C. Mil. Acad. 1886-88.—Prof. Chem. Ga. School of Tech. Atlanta.

Joseph Auguste Fontaine, Coll. of Sion, France, 1879; Instr. Univ. of Neb. 1887-89; Prof. Romance Lang. Univ. of Miss. 1889-91, Bryn Mawr, 1891-99.—Bué, France.

Elgin Ralston Lovell Gould, (F), A. B. Victoria (Ont.) 1881; Instr. Wash. High School 1884-87; Reader 1887-89; Lecturer Columbia, 1902-03. —President City and Suburban Homes Co. New York.

William Penn Holcomb, Swarthmore (B. L. 1878, Prof. Hist. 1886-94).—Charlestown, N. H.

Joseph Jastrow, (F), A. B. Univ. of Pa. 1882.—Prof. Psychol. Univ. of Wis.

George Theophilus Kemp, (F), A. B. 1883; M. D. L. I. Med. Coll. 1891; Demonstr. Univ. of Pa. 1886-87; Assoc. and Assoc. Director, Hoagland Lab. 1888-89.—Prof. Physiol. Univ. of Ill. Champaign.

Charles Herbert Levermore, (F), A. B. Yale 1879; Instr. Univ. of Cal. 1886-88; Prof. Hist. Mass. Inst. Tech. 1888-93.—Pres. Adelphi Coll. Brooklyn.

Gonzalez Lodge, (F), A. B. 1883; LL. D. Franklin and Marshall 1901; Prof. Davidson 1886-88, Bryn Mawr 1889-1900.—Prof. Latin and Greek, Teachers Coll. N. Y.

Charles William Emil Miller, (F), A. B. 1882.—Assoc. Prof. Greek.

Henry Barber Nixon, (F), Univ. of N. C. 1878.—Prof. Math. Pa. Coll. Gettysburg.

Charles Skeele Palmer, (F), A. B. Amherst 1879; Prof. Chem. Univ. of Colo. 1886-1902; Pres. Colo. Sch. of Mines 1902-03.—Assoc. Ed. *Engineering and Mining Journal*, N. Y.

Burr James Ramage, A. B. Newberry 1880; late Prof. Common Law and Dean, Law School, Univ. of the South.—Dept. of Commerce and Labor, Washington.

Shosuke Sato, S. B. Sapporo Agric. 1880.—Director and Prof. of Agric. Economics, Agric. Coll. Sapporo, Japan.

Woodrow Wilson, (F), A. B. Princeton 1879; LL. D. Wake Forest 1887, Tulane 1898; Litt. D. Yale 1901; Assoc. and Assoc. Prof. Bryn Mawr 1885-88; Prof. Wesleyan 1888-90; Lecturer 1897-1898, LL. D. 1902.—Pres. and Prof. Jurisprudence and Politics, Princeton. (17)

1887

Cyrus Adler, (F), A. B. Univ. of Pa. 1883; Instr. and Assoc. 1887-93.—Librarian, Smithsonian Inst.; Prof. Oriental Hist. George Washington Univ.

Ethan Allen Andrews, (F), Ph. B. Yale 1881.—Assoc. Prof. Biology.

Rev. Albert Clayton Applegarth, A. B. 1884.—Clergyman, Huntingdon, Pa.

*David Barcroft, (F), Ph. B. Univ. of Cal. 1882. **August* 2, 1894.

Henry Gustav Beyer, M. D. Bellevue Hosp. 1876; M. R. C. S. (London); Director, Phys. Train. U. S. Naval Acad. 1891-95.—Surgeon, U. S. N.

Richard Newman Brackett, A. B. Davidson 1883; Chemist, Ark. Geol. Survey 1887-91.—Assoc. Prof. Chem. Clemson Coll. S. C.

Henry Crew, (F), A. B. Princeton, 1882; Asst. 1887-88; Instr. Haverford 1888-91.—Prof. Physics, Northwestern Univ. Ill.

Albert E. Egge, (F), A. B. Luther 1879; Prof. St. Olaf. 1887-92; Instr. Iowa Univ. 1892-96.—Prof. English, Washington Agric. Coll. Pullman.

John Charles Fields, (F), A. B. Toronto 1884; Prof. Allegheny 1889-98. —Lecturer, Math. Toronto.

Andrew Fossum, A. B. Luther 1882.—Prof. Greek, St. Olaf Coll. Northfield, Minn.

Richmond Harding, A. B. Davidson 1880.—Prof. Greek, Davidson, N. C.

Charles Willard Hayes, (F), A. B. Oberlin 1883; Lecturer 1903-04.—U. S. Geol. Survey, Washington.

William Adam Hedrick, A. M. Columbian 1884.—Instr. Physics, High School, Washington.

Frank Gaylord Hubbard, A. B. Williams 1880; Instr. Smith Coll. 1887-88, Univ. of Cal. 1888-92.—Prof. English, Univ. of Wis.

George Benjamin Hussey, (F), A. B. Columbia 1884; Fellow, Princeton 1888-90; Instr. and Assoc. Prof. Univ. of Neb. 1891-94; Docent, Chicago 1894-1900; late Asst. Prof. Greek and Latin, Western Maryland Coll.—Classical Instr. N. Y.

James Hervey Hyslop, (F), A. B. Wooster 1877; Instr. Bucknell 1888-89; Prof. Logic and Ethics, Columbia 1895-02.

Marion Dexter Learned, (F), A. B. Dickinson 1880; Instr. Assoc. Assoc. Prof. 1886-95.—Prof. German, Univ. of Pa.

William Ridgely Orndorff, (F), A. B. 1884.—Prof. Organ. Chem. Cornell.

Daniel Richard Randall, (F), A. B. St. John's 1883.—Atty. at Law, Annapolis.

Frederick Morris Warren, A. B. Amherst 1880; Instr. and Assoc. 1886-91; Prof. Adelbert 1891-01.—Prof. Modern Lang. Yale; Lecturer, French Lit. (20)

1888

William Muss Arnolt, (F), B. D. New Brunsw. Theol. Sem. 1882; Instr. 1891-93; Asst. Prof. Univ. of Mich. 1893; Instr. and Asst. Prof. Biblical Philol. and Asst. Recorder, Chicago 1893-1903.—Belmont, Mass.

Philip Wheelock Ayres, (F), Ph. B. Cornell 1884. — Forester, Concord, N. H.

Louis Bell, (F), A. B. Dartmouth 1884; Prof. Physics, Purdue 1888-89; Lecturer, Mass. Inst. Tech. 1900-01. —Elec. Engineer, Boston.

Benjamin Lester Bowen, A. B. Rochester 1881; Prof. Bowdoin 1888-89.—Prof. Romance Lang. Ohio State Univ. Columbus.

William Henry Burnham, (F), A. B. Harvard 1882; Instr. 1888-89.—Asst. Prof. Pedagogy, Clark Univ.

Richard Eugene Burton, A. B. Trinity (Conn.) 1883; Lecturer, 1898. Prof. English Lit. Univ. of Minn. Minneapolis.

John Pendleton Campbell, (F), A. B. 1885.—Prof. Biology, Univ. of Ga. Athens.

Herbert Charles Elmer, (F), A. B. Cornell 1883.—Asst. Prof. Latin, Cornell.

Robert Orlando Graham, A. B. Amherst 1877.—Prof. Chem. and Geol. and Dean, Grad. Dept. Illinois Wesleyan, Bloomington.

Erasmus Haworth, S. B. Kansas Univ. 1881; Prof. Oskaloosa 1882-92.—Prof. Phys. Geol. Kansas Univ. Lawrence.

Francis Hobart Herrick, A. B. Dartmouth 1881.—Prof. Biol. Adelbert, Cleveland.

William Herbert Hobbs, (F), S. B. Worcester Polytech. 1883. — Prof. Mineral. etc. Univ. of Wis. Madison.

Joseph Hoeing Kastle, (F), Ky. State Coll. (S. B. 1884, Prof. Chem. 1888-1905).—Chief, Div. of Chem. Bureau of Public Health, Wash.

Andrew Cowper Lawson, (F), A. B. Toronto 1883.—Prof. Mineral. and Geol. Univ. of Cal.

Felix Lengfeld, (F), Prof. S. Dak. School of Mines 1890-91; Instr. Univ. of Cal. 1891-92; Docent, Tutor, Asst. Prof. Chicago 1892-1901. — Chemist, San Francisco.

Archibald Byron Macallum, A. B. Toronto 1886.—Assoc. Prof. Physiol. Univ. of Toronto.

John Ernst Matzke, A. B. Hope Coll. 1882; Prof. Bowdoin 1889-90, Indiana Univ. 1890-91; Assoc. 1891-93.—Prof. Romanic Lang. Stanford.

*Thomas McCabe, (F), A. B. 1886; Instr. Univ. of Mich. 1888-89; Prof. Indiana Univ. 1889-90; Assoc. Romance, Bryn Mawr 1890-91. **February* 22, 1891.

Yujiro Motora, (F), Doshisha Kyoto, Japan, 1879.—Prof. Psychol. Univ. of Tokyo.

Julius Nelson, (F), S. B. Wis. 1881.—Prof. Biology, Rutgers.

George Thomas White Patrick, (F), A. B. Iowa Univ. 1878; B. D. Yale 1885.—Prof. Philos. Iowa Univ.

Edmund Clark Sanford, (F), A. B. Cal. 1883; Instr. 1888-89. — Prof. Exper. Psychol. Clark Univ.

Henry Taber, Ph. B. Yale 1882; Asst. 1888-89.—Prof. Math. Clark Univ.

*Amos Griswold Warner, (F), Univ. of Neb. (B. L. 1885, Prof. 1889-91); Gen. Sec. Charity Organ. Soc. Balt. 1887-89; Supt. of Charities, D. C. 1891-93; Lecturer 1892-93; Prof.

Econ. Stanford, 1893-1900. **January* 18, 1900.

John Roaf Wightman, (F), A. B. Toronto 1871; Prof. Iowa Coll. 1889-91; Assoc. Prof. Univ. of Neb. 1891-93.—Prof. Romance Lang. Oberlin.

Henry Van Peters Wilson, (F), A. B. 1883; Bruce Fellow 1888-89.—Prof. Biol. Univ. of N. C. Chapel Hill.

Thomas Kimber Worthington, A. B. Haverford 1883; LL. B. Univ. of Md. 1900.—Lancaster, Pa. (27)

1889

Charles McLean Andrews, (F), Trinity (A. B. 1884, L. H. D. 1905).—Prof. Bryn Mawr; Prof. (*elect*), History.

Frank Wilson Blackmar, (F), Ph. B. Univ. of Pacific 1881.—Prof. Hist. etc. Univ. of Kansas, Lawrence.

Jeffrey Richardson Brackett, A.B. Harvard 1883; Pres. Supervisors of Charities, Balt. 1900-04; Lecturer 1897-04.—Assoc. Prof. Theory and Prac. of Philanth. Work, Simmons Coll.; Instr. Harvard; Director, School for Social Workers, Boston.

William Merriam Burton, (F), A. B. Adelbert 1886.—Supt. Standard Oil Co. Whiting, Ind.

Morgan Callaway, Jr. (F), A. B. Emory (Ga.) 1881; Prof. Southwestern Univ. 1889-90.—Prof. English, Univ. of Texas, Austin.

Alfred Robert Louis Dohme, A. B. 1886.—Chemist, Balt.; Instr. Pharmacy.

*William Curns Lawrence Gorton, (F), A. B. 1886; Assoc. Prof. and Prof. Math. Woman's Coll. Balt. 1888-94. **November* 8, 1894.

Joseph Edward Harry, (F), A. B. 1886; Prof. Georgetown, Ky. 1889-1900.—Acting Pres. (1903-04), Dean, Acad. Dept., Prof. Greek, Univ. of Cincinnati.

*George Allison Hench, (F), A. B. Lafayette 1885; Instr. Asst. Prof. Prof. German, Univ. of Mich. 1890-99. **August* 16, 1899.

Clifton Fremont Hodge, (F), A. B. Ripon 1882; Instr. Univ. of Wis. 1891-92.—Asst. Prof. Physiol. Clark.

Cary Talcott Hutchinson, (F), Ph. B. Washington Univ. 1886; Acting Assoc. Prof. Electricity, 1897-99.—Consulting Engineer, N. Y.

James Thomas Lees, A. B. Adelbert 1886.—Prof. Greek, Univ. of Neb. Lincoln.

Archibald MacMechan, (F), A. B. Toronto 1884.—Prof. English, Dalhousie, Halifax, N. S.

Charles William Moulton, A. B. Univ. of Minn. 1885.—Prof. Chem. Vassar.

Albion Woodbury Small, Colby (A. B. 1876, LL. D. 1900, Pres. 1889-92); Reader 1888-89.—Prof. Sociol. Chicago.

Charles Lee Smith, (F), S. B. Wake Forest 1884; Instr. 1889-91; Gen. Sec. Charity Organ. Soc. Balt. 1889-91; Prof. Hist. William Jewell, 1891-05; Pres. Mercer Univ. 1905-06.

Kirby Flower Smith, A. B. Univ. of Vt. 1884.—Prof. Latin.

Rev. Lemon Leander Uhl, A. B. Wittenberg 1871.—Boston.

*Arthur Clarence Wightman, (F), A. B. Wofford 1879; Demonstr. 1889-90; Prof. Md. Agric. 1890-91; Prof. Biol. and Phys. Randolph-Macon 1891-05. **November* 12, 1905.

*William Klapp Williams, A. B. 1886. **June* 4, 1897.

1890

Joseph Sweetman Ames, (F), A. B. 1886.—Prof. Physics.

Rev. Edward Carey Applegarth, (F), A. B. 1887; M. D. Phys. and Surg. Balt. 1892.—Clergyman, Boston.

Charles Cotton Blackshear, A. B. Mercer 1881; Instr. Bryn Mawr 1890-91.—Prof. Chem. Woman's Coll. Balt.

Charles Hiram Chapman, (F), A. B. 1888, Instr. and Assoc. 1889-92; Pres. Univ. of Oregon 1893-99.—Woodland, Wash.

Rudolf John Julius De Roode, Jr. (F), S. B. Ky. State Coll. 1885.—Supt. Bureau of Tests, Internat. Paper Co. N. Y.

George Peter Dreyer, (F), A. B. 1887, Demonstr. Assoc. Assoc. Prof. 1890-1900.—Prof. Physiol. Med. Dept. Univ. of Ill. Chicago.

Edwin Whitfield Fay, (F), A. M. Southwest. Presb. 1883; Instr. Mich. 1890-91; Acting Prof. Univ. of Texas 1892-93; Prof. Washington and Lee 1893-99.—Prof. Latin, Univ. of Texas, Austin.

Henry Torsey Fernald, S. B. Maine State Coll. 1885.—Prof. Entomol. Mass. Agric. Coll. Amherst.

Henry Brayton Gardner, (F), A. B. Brown 1884.—Prof. Polit. Econ. Brown Univ. Providence.

Charles Jaques Goodwin, (F), A. B. Bowdoin 1887; Prof. Cornell Coll. 1890-92; Tutor, Wesleyan 1892-95; Acting Prof. St. Stephen's, N. Y. 1898-99.—Prof. Greek, Lehigh, S. Bethlehem, Pa.

Charles Homer Haskins, A. B. 1887, Instr. 1889-90; Asst. Prof. and Prof. Wisconsin 1890-1902.—Prof. Hist. Harvard.

James Taft Hatfield, (F), A. B. Northwestern 1883.—Prof. German, Northwestern Univ. Evanston, Ill.

John Cohn Hemmeter, M. D. Univ. of Md. 1883.—Clin. Prof. Med. Univ. of Md.; Physician, Balt.

Charles Holmes Herty, Univ. of Ga. (Ph. B. 1886, Adj. Prof. Chem. 1894-1902).—Expert, Natl. Bureau of Forestry.

Jesse Herman Holmes, A. B. Univ. of Neb. 1884.—Prof. Hist. of Religion and Philosophy, Swarthmore.

*Rev. Abel Henry Huizinga, (F), A. B. Hope Coll. 1880; Adj. Prof. McCormick Theol. Sem. 1894-96. **September* 11, 1905.

Toyokichi Iyenaga, Ph. B. Oberlin 1887; late Prof. Polit. Sci. Semmo Gakko, Tokyo.—Univ. Extension Lecturer, Univ. of Chicago.

Thomas Logie, (F), A. B. Toronto 1887; Asst. Prof. Williams 1890-93; Assoc. Prof. Rutgers, 1893-98.—Prof. Romance Lang. Univ. of Cape Town, Africa.

Hiram Benjamin Loomis, (F), A. B. Trinity (Conn.) 1885; Instr. Univ. of Wis. 1890-93; Asst. Prof. Northwestern 1893-96, and Instr. in the Academy, 1896-97; late Science Instr. Medill High School, Chicago. —Western Springs, Ill.

Herbert William Magoun, (F), A. B. Iowa 1879; Acting Prof. Colo. Coll. 1890-91, Oberlin 1892-95; late Prof. Latin, Redfield Coll.—Cambridge, Mass.

John Hanson Thomas McPherson, (F), A. B. 1886; Instr. Univ. of Mich. 1890-91.—Prof. Hist. Univ. of Ga. Athens.

Wilmot Vernon Metcalf, A. B. Oberlin 1883; Prof. Chem. and Phys. Carleton Coll. 1890-03.—West Williamsfield, O.

Thomas Hunt Morgan, (F), S. B. Ky. State Coll. 1886; Bruce Fellow 1890-91; Prof. Bryn Mawr. 1891-04.—Prof. Exper. Zoology, Columbia.

Augustus Taber Murray, (F), A. B. Haverford 1885; Prof. Earlham 1888-91, Colorado Coll. 1891-92.—Prof. Greek, Stanford.

Wyatt William Randall, A. B. St. John's 1884; Asst. and Assoc. 1890-98. — Head Master, Mackenzie School, Dobbs Ferry, N. Y.

*George Mann Richardson, (F), Lehigh (A. C. 1886, Instr. 1890-91); Assoc. Prof. and Prof. Organ. Chem. Stanford 1891-1902. **July* 26, 1902.

Joseph Samuel Shefloe, (F), A. B. Luther 1885.—Prof. Romance Lang. and Librarian, Woman's Coll. Balt.

Robert Benson Steele, (F), A. B. Wis. 1883; Prof. St. Olaf 1890-91, Illinois Wesleyan 1891-1901.—Adj. Prof. Latin, Vanderbilt, Nashville.

Andrew Stephenson, A. B. Ind. Asbury 1882; Assoc. Prof. Wesleyan 1890-94.—Prof. History, De Pauw, Greencastle, Ind.

Frederick Jackson Turner. A. B. Wis. 1884; Lecturer, Harvard 1903-04.—Prof. Amer. Hist. Univ. of Wis.

John Martin Vincent, A. B. Oberlin 1883.—Prof. European History.

Shozaburo Watase, (F), S. B. Sapporo Agric. 1884; Bruce Fellow 1889-90; Lecturer and Asst. Clark 1890-92; Reader and Asst. Prof. Chicago 1892-99.—Prof. Zoology, Univ. of Tokyo.

James Albert Woodburn, (F), A. B. Indiana 1876.—Prof. Amer. Hist. Indiana Univ. Bloomington.

(33)

1891

Alfred Bagby, Jr., A. B. Richmond 1885; Adj. Prof. Greek, S. C. Univ. 1891-93.—Atty. at Law, Balt.; Instr. Balt. Law School.

James William Black, A. B. 1888; Acting Prof. Georgetown, Ky. 1891-92; Assoc. Prof. Oberlin 1892-94.—Prof. Hist. Colby, Waterville, Me.

Charles Pliny Brigham, A. B. 1888.—Greenport, Long Island, N. Y.

Charles Edward Coates, Jr. A. B. 1887; Prof. St. John's 1891-93.—Prof. Chem. La. State Univ. Baton Rouge.

Edwin Grant Conklin, (F), Ohio Wesleyan (S. B. 1885, Prof. 1891-94); Prof. Northwestern 1894-95.—Prof. Zool. Univ. of Pa.

Paul Joseph Dashiell, A. B. 1887; Instr. Lehigh 1889-90, 1891-92.—Prof. Chem. U. S. Naval Acad.

Herman Louis Ebeling, (F), A. B. 1883; Prof. Miami 1891-99; Instr. and Acting Prof. Haverford 1901-03.—Asst. Prof. Greek, Hamilton, Clinton, N. Y.

William Snyder Eichelberger, (F), A. B. 1886; Instr. Wesleyan 1891-96. —Prof. Math. U. S. Navy, Wash.

Thomas Perrin Harrison, (F), S. C. Mil. Acad. 1886; Assoc. Prof. Clemson 1891-95.—Prof. English, Davidson, N. C.

Walter Jones, A. B. 1888; Acting Prof. Wittenberg 1891-92; Instr. and Prof. Purdue 1892-95.—Assoc. Prof. Physiol. Chem.

Henry Parker Manning, (F), A. B. Brown 1883. — Asst. Prof. Pure Math. Brown Univ. Providence.

George Frederick Metzler, A. B. Albert Coll. 1889; Instr. Univ. of Mich. 1892-93, Queen's Univ. Ont. 1895-96.

William McCracken Milroy, A. B. Geneva 1887.—Prof. Latin, Geneva Coll. Beaver Falls, Pa.

John Leverett Moore, (F), Princeton (A. B. 1881, Tutor 1882-85); Instr. 1888-89. — Prof. Greek and Latin, Vassar.

Wilfred Pirt Mustard, (F), A. B. Toronto 1886; Prof. Colorado Coll. 1891-93.—Prof. Latin, Haverford, Pa.

Barker Newhall, (F), A. B. Haverford 1887; Instr. Brown 1892-95, Bates Coll. 1895-96.—Prof. Greek, Kenyon Coll. Gambier, O.

George Petrie, A. M. Va. 1887.—Prof. Hist. Ala. Polytech. Auburn.

Edward Bennett Rosa, (F), Wesleyan (S. B. 1886, Prof. 1891-1903).—Chief Physicist, Bureau of Standards, Washington; Prof. Physics, Geo. Washington Univ.

Edward Alsworth Ross, A. B. Coe Coll. 1886; Prof. Indiana Univ. 1891-92; Assoc. Prof. Cornell 1892-93; Prof. Stanford 1893-1900, Univ. of Neb. 1901-05.—Prof. Sociol. Univ. of Wis.

Charles Edward Saunders, (F), A. B. Toronto 1888; Prof. Central Univ. Ky. 1891-93.—Ottawa, Canada.

*Sidney Sherwood, A. B. Princeton 1879; Instr. Univ. of Pa. 1891-92; Assoc. and Assoc. Prof. Polit. Econ. 1892-1901. **August* 5, 1901.

Moses Stephen Slaughter, (F), A. B. Ind. Asbury 1883; Instr. Bryn Mawr 1887-88; Prof. Iowa Coll. 1889-96.—Prof. Latin, Univ. of Wis. Madison.

Bernard Christian Steiner, (F), A. B. Yale 1888; LL. B. Univ. of Md. 1894; Instr. Williams 1891-92; Prof. Balt. Univ. School of Law, 1897-1900; Dean and Prof. Balt. Law School, 1900-04.—Librarian, Pratt Library; Assoc. History.

William Howe Tolman, A. B. Brown 1882.—Director, American Inst. of Social Service, N. Y.

Stephen Beauregard Weeks, A. B. N. C. Univ. 1886; LL. D. Wake Forest 1902; Prof. Trinity (N. C.) 1891-93. —Supt. Indian School Service, San Carlos, Ariz.

John White, Jr. (F), A. B. 1888; Asst. Cornell 1891-93; Prof. Univ. of Neb. 1893-1903.—Prof. Chem. Rose Polytech. Terre Haute.

Westel Woodbury Willoughby, (F), A. B. 1888; Acting Asst. Prof. Stanford 1894-95.—Prof. Polit. Science.

Arthur Burnham Woodford, Ph. B. Yale 1881; Indiana Univ. (A. M. 1886, Prof. 1885-89); Instr. Univ. of Pa. 1891-92; Prof. Sch. of Soc. Econ. N. Y. 1892-96; Lecturer, New York Univ. 1895-98.—Instr. Hopkins Gram. Sch. New Haven. (28)

1892

Eugene Thomas Allen, A. B. Amherst 1887; Acting Prof. Univ. of Colo. 1892-93; Asst. Harvard 1894-95; Prof. Chem. Mo. School of Mines 1895-01.—U. S. Geol. Survey, Wash.

William Wilson Baden, (F), A. B. 1881; LL. B. Univ. of Md. 1883; Prof. Southwestern Univ. 1892-93, Central (Ky.) 1893-96.—Prof. Greek and Latin, Idaho Univ. Moscow.

Robert Payne Bigelow, (F), S. B. Harvard 1887; Bruce Fellow 1891-93.—Instr. Biology and Librarian, Mass. Inst. Tech.

Edwin Winfield Bowen, A. B. Rand.-Macon 1887; Asst. Prof. Univ. of Mo. 1892-93.—Prof. Latin, Randolph-Macon, Ashland, Va.

Immanuel Moses Casanowicz.—Aid, Div. of Historic Archæol. U. S. National Museum, Washington.

Starr Willard Cutting, A. B. Williams 1887.—Prof. German Lit. Chicago.

Rev. William Levering Devries, (F), A. B. 1888; S. T. B. Gen. Theol. Sem. N. Y. 1894.—Clergyman, Washington.

Albert Bernhart Faust, (F), A. B. 1889, Instr. 1894-96; Assoc. Prof. Wesleyan 1896-1903; Asst. Prof. Univ. of Wis. 1903-04.—Asst. Prof. German, Cornell.

George Wilton Field, Brown Univ. (A. B. 1887, Assoc. Prof. 1893-96); Prof. R. I. Agric. Coll. 1896-1901; Lecturer, Mass. Inst. Tech. 1901-04. —Zoologist, Mass. Board of Fisheries.

Joseph Elliott Gilpin, A. B. 1889.—Assoc. Chemistry.

John Leslie Hall, (F), Prof. English and Hist. William and Mary Coll. Va.

William Asbury Harris, (F), A. M. Richmond 1886; Acting Prof. Ripon 1892-93; Prof. Baylor 1893-1901.—Prof. Greek, Richmond Coll. Va.

Frederick Clemson Howe, A. B. Allegheny 1889.—Atty. at Law, Cleveland; Prof. Baldwin Univ. O.

William Isaac Hull, A. B. 1889.—Prof. Hist. Swarthmore, Pa.

Harry Clary Jones, (F), A. B. 1889.—Prof. Phys. Chem.

James Lawrence Kellogg, (F), Olivet (S. B. 1888, Prof. 1892-99).—Prof. Biol. Williams Coll.

Charles Rollin Keyes, (F), S. B. Iowa Univ. 1887; late State Geologist of Missouri.—Prest. New Mexico Sch. of Mines, Socorro.

Elmer Peter Kohler, (F), A. B. Muhlenberg 1886.—Prof. Chem. Bryn Mawr.

*Paul Erasmus Lauer, (F), A. B. Adelbert 1885; Asst. Supt. of Schools, Cleveland, 1892-93. **February* 20, 1893.

Edwin Seelye Lewis, (F), A. B. Wabash 1888.—Prof. Romance Lang. Princeton.

David Judson Lingle, (F), S. B. Chicago 1885.—Asst. Prof. Physiol. Chicago.

Alvin Frank Linn, (F), A. B. Wittenberg 1884.—Prof. Chem. and Mineral. Wittenberg Coll. Springfield, O.

James Alexander Lyman, A. B. Beloit 1888; Docent, Chicago 1892-93.—Instr. Chem. Portland Academy, Oregon.

John Hanson Thomas Main, (F), A. B. Moore's Hill 1880; Iowa Coll. Grinnell (Acting Pres. 1900-02, Prof. Greek and Dean, 1892-05, now Pres.).

Frank Jewett Mather, Jr. (F), Williams (A. B. 1889, Instr. 1892-1900). —Asst. Ed. *Evening Post*, N. Y.

Michael Andrew Mikkelsen, (F), A. B. Luther 1886.—Asst. Ed, *Sun*, N. Y.

Robert Milton Parks, Jr. A. B. Indiana 1879; Prof. Furman 1892-93, Central (Ky.) 1893-1900. — Prof. Chem. Manual Train. School, Louisville.

Charles Lane Poor, (F), S. B. N. Y. City Coll. 1886; Instr. Assoc., Assoc.

Prof. 1891-99.—Prof. Astron. Columbia.

John Dyneley Prince, (F), A. B. Columbia 1888; Prof. N. Y. Univ. 1892-02.—Prof. Semitic Lang. Columbia.

John Cunningham Robertson, (F), A. M. Va. 1885.—Prof. Greek, St. Stephen's Coll. Annandale, N. Y.

*Charles Hunter Ross, (F), S. B. Ala. Agric. 1886; Prof. Mod. Lang. Southwestern Univ. 1890-91, Ala. Polytech. 1892-1900. **February* 23, 1900.

Harry Luman Russell, S. B. Wis. 1888.—Prof. Bacteriol. Univ. of Wis. Madison.

William Amasa Scott, A. B. Rochester 1886.—Prof. Economic Hist. and Theory, and Director. Course in Commerce, Univ. of Wis. Madison.

Will Bush Shober, A. B. St. John's 1885.—Asst. Prof. Chem. Philos. and Organic Chem., Lehigh.

Martin Bell Stubbs, A. B. Haverford 1888; Instr. Chem. Ursinus 1900-01. —U. S. Weather Bureau, New Orleans.

Harry Maas Ullmann, A. B. 1889; Hon. Fellow, Chicago 1892-93.—Asst. Prof. Anal. and Indus. Chem. Lehigh.

Bert John Vos, (F), A. B. Mich. 1888; Instr. Chicago 1892-93.—Assoc. Prof. German. (37)

1893

Henry Harold Ballard, A. B. 1888; Instr. Rose Polytech. 1893-96.—Student, Teachers' Coll. N. Y.

Florence Bascom, S. B. Wis. 1884; Instr. Ohio State Univ. 1893-95.—Assoc. Prof. Geol. Bryn Mawr.

Jasper Luther Beeson, A. B. Univ. of Ala. 1889.—Prof. Chem. and Phys. Ga. Normal and Industrial Coll. Milledgeville.

Alexander Mitchell Carroll, (F), Richmond (A. M. 1888, Prof. 1895-97); Reader 1898-99.—Head. Prof. Class. Philol. George Washington Univ.

*Andrew Fuller Craven, LL. B. Chicago 1880; A. B. Harvard 1889; Prof. Politics and Econ. Columbian 1893-04. **March* 2, 1904.

John Bascom Crenshaw, A. M. Rand.-Macon, 1881; Instr. 1893-99; Instr. Balt. City Coll. 1903-04.—Prof. German and French, Ga. Sch. of Tech. Atlanta.

Ulysses Sherman Grant, (F), S. B. Univ. of Minn. 1888.—Prof. Geol. Northwestern Univ. Ill.

David I. Green, A. B. Alfred Univ. 1885.—Supt. Organ. Charities, Hartford, Conn.

William Richard Grey, A. B. Davidson 1884.—Prof. Latin and French, Davidson, N. C.

George Henry Haynes, A. B. Amherst 1887.—Prof. Hist. and Polit. Sci. Worcester Polytech. Inst. Mass.

Charles Downer Hazen, A. B. Dartmouth 1889.—Prof. Hist. Smith Coll. Northampton, Mass.

Frank Irving Herriott, Iowa Coll. (A. B. 1890, late Prof. Economics). —Des Moines, Iowa.

David Hull Holmes, (F), A. B. Iowa Wesleyan 1885; Acting Prof. Allegheny 1893-94; Prof. Univ. of Kansas, 1896-97.—Class. Instr. High School, Brooklyn.

Arthur John Hopkins, (F), A. B. Amherst 1885; Prof. Westminster Coll. (Pa.) 1893-94.—Assoc. Prof. Chem. Amherst.

Theodore Hough, (F), A. B. 1886; Instr. and Asst. Prof. Mass. Inst. Tech. 1893-1903.—Assoc. Prof. Biol. Simmons Coll. Boston.

James Alton James, (F), B. L. Wis. 1888; Prof. Cornell Coll. 1893-96; Shaw Lecturer, 1904-05.—Prof. European Hist. Northwestern Univ. Ill.

Henry Read McIlwaine, A. B. Hampden-Sidney 1884.—Prof. English and Hist. Hampden-Sidney, Va.

*Louis Emil Menger, (F), A. B. Miss. Coll. 1888; Instr. and Assoc. 1893-97; Assoc. Prof. and Prof. Romance Philol. Bryn Mawr, 1897-1903. **August* 5, 1903.

Colyer Meriwether, A. B. 1886.—Instr. English, etc. Washington High Sch.

*Lucius Salisbury Merriam, (F), S. B. Vanderbilt 1889; Instr. Pol. Econ. Cornell 1893. **November* 18, 1893.

Maynard Mayo Metcalf, (F) A. B. Oberlin 1889; Bruce Fellow 1893; Prof. Woman's Coll. Balt. 1893-06. —Prof. Zool. Oberlin.

Daniel Alexander Murray, (F), A. B. Dalhousie 1884; Assoc. Prof. N. Y. Univ. 1890-94; Instr. Cornell 1894-1901.—Prof. Math. Dalhousie, Halifax, N. S.

William Peters Reeves, A. B. 1889; Asst. Union 1895-97; Prof. Iowa Univ. 1897-1900.—Prof. English, Kenyon, Gambier, O.

Charles Alphonso Smith, A. B. Davidson 1884; Prof. La. Univ. 1893-02. —Prof. English, Univ. of N. C. Chapel Hill.

George Owen Squier, (F), U. S. Mil. Acad. 1887.—Major, U. S. Signal Corps, San Francisco.

John Nesbit Swan, A. B. Westminster (Pa.) 1886.—Prof. Chem. Monmouth Coll. Ill.

Frederick Tupper, Jr. (F), A. B. Charleston 1890; Prof. Wells Coll. 1893-94.—Prof. Rhetoric and English Lit. Univ. of Vt. Burlington.

Frank Alfred Wolff, Jr. (F), A. B. 1890.—Prof. George Washington Univ.; Physicist, Bureau of Standards, Wash. (28)

1894

James Nesbit Anderson, A. M. Va. 1887; Prof. Univ. of Oklahoma, 1894-96; late Instr. Latin, Vanderbilt.

John Spencer Bassett, (F), A. B. Trinity (N. C.) 1888.—Prof. History, Trinity, Durham, N. C.

William Julian Albert Bliss, A. B. Harvard 1888; Instr. Woman's Coll. Balt. 1894-95. — Collegiate Prof. Physics.

James Douglas Bruce, A. M. Va. 1883; Prof. Centre Coll. (Ky). 1890-91; Assoc. Prof. Bryn Mawr 1891-1900.—Prof. English, Univ. of Tenn. Knoxville.

James Dowden Bruner, A. B. Franklin Coll. 1888; Prof. Univ. of Ill. 1893-95; Asst. Prof. Chicago 1895-98.—Assoc. Prof. Romance Lang. Univ. of N. C. Chapel Hill.

John Emery Bucher, A. C. Lehigh 1891; Instr. Tufts 1894-97; Assoc. Prof. R. I. Agric. Coll. 1897-1900.—Assoc. Prof. Organ. Chem. Brown Univ. Providence.

Frank Kenneth Cameron, A. B. 1891; Fellow and Asst. Cornell, 1894-95, 1897-98; Asst. Prof. Catholic Univ. 1895-97. — Chemist, Agric. Dept. Wash.

*William Embert Chamberlin, A. B. Oberlin 1887; Instr. Wabash. Coll. 1894-95.—Analyt. Chemist, N. Y.

Abraham Cohen, (F), A. B. 1891.—Assoc. Mathematics.

Louis Leaming Forman, A. M. Univ. of Pa. 1890.—Instr. Greek, Cornell.

Edward Curtis Franklin, Univ. of Kan. (S. B. 1888, Assoc. Prof., Prof. 1894-03).—Assoc. Prof. Organ. Chem. Stanford.

Joseph Hendren Gorrell, A. B. Washington and Lee 1888.—Prof. Modern Lang. Wake Forest Coll. N. C.

George Perry Grimsley, A. B. Ohio State Univ. 1890; Prof. Geol. Washburn Coll. 1894-04. — Asst. State Geologist, Morgantown, W. Va.

Ross Granville Harrison, (F), A. B. 1889; M. D. Bonn 1899; Bruce Fellow 1894; Lecturer Bryn Mawr 1894-95.—Assoc. Prof. Anatomy.

*Robert Nelson Hartman, A. B. Pa. Coll. 1891; Instr. Tufts Coll. 1896-99; Prof. Chem. Colo. Sch. of Mines 1899-1903. **May* 8, 1903.

Jacob H. Hollander, (F), A. B. 1891. —Prof. Polit. Economy.

Lorrain Sherman Hulburt, A. B. Wis. 1883; Prof. Univ. of S. Dak. 1887-91; Fellow, Clark 1891-92.—Collegiate Prof. Mathematics.

Masanobu Ishizaka, Ph. B. Albion 1891.—Lecturer, Hist. and Econ. Aoyama-Gaku-In, Tokyo.

Thomas Atkinson Jenkins, A. B. Swarthmore 1887; Prof. Vanderbilt 1895-1900, Swarthmore 1900-01.—Assoc. Prof. French, Chicago.

Christopher Johnston, (F), Va. (B. Litt. 1876, A. B. 1878, A. M. 1879); M. D. Univ. of Md. 1880.—Assoc. Prof. Oriental Hist. and Archæol.

Emory Bair Lease, (F), A. B. Ohio Wesleyan 1885; Prof. Allegheny 1894-96; Asst. Prof. Mich. 1896-99; Instr. Wesleyan (Conn.) 1899-1901. —Instr. Latin, N. Y. City Coll.

Arthur Stanley Mackenzie, (F), A. B. Dalhousie 1885; Prof. Bryn Mawr, 1894-05.—Prof. Physics, Dalhousie, N. S.

*Edward Payson Manning, (F), A. B. Brown 1889; Instr. Math. St. Lawrence Univ. 1894-96. **February* 15, 1897.

Charles Carroll Marden, A. B. 1889; Instr. Mich. 1890-91.—Prof. Spanish.

Edward Bennett Mathews, (F), A. B. Colby 1891.—Prof. Mineralogy and Petrography.

Philip Randle Moale, A. B. 1889.—Chemist, Asheville, N. C.

Constance Pessels, Univ. of Texas (B. L. 1886, late Instr. in English). —Instr. High School, San Antonio.

Jesse Siddall Reeves, S. B. Amherst 1891.—Atty. at Law, Richmond, Ind.; Albert Shaw Lecturer, 1905-06.

Arthur Percy Saunders, (F), A. B. Toronto 1890; Instr. Wis. 1894-96; Asst. McGill 1898-99, Cornell 1899-1900.—Prof. Chem. Hamilton Coll. Clinton, N. Y.

Robert Lincoln Slagle, A. B. Lafayette 1887; Prof. and Pres. S. Dak. Sch. of Mines, 1897-05.—Pres. S. Dak. Agric. Coll. Brookings.

Rev. Daniel Gurden Stevens, Jr. (F), A. B. 1891; B. D. Crozer Theol. Sem. 1857.—Clergyman, Bryn Mawr, Pa.

Frederick Henry Sykes, (F), A. B. Toronto 1885; Prof. Western Univ. (Ont.) 1895-97; Lecturer 1900-02.—Director, Extension Teaching, Columbia.

*Milo Scott Walker, Ph. D. Wooster 1899; late Instr. Chem. McKinley High School, Chicago. **December* 30, 1903.

George Francis Weida, (F), Prof. Blackburn 1894-96, Baker 1896-97, Kansas Agric. Coll. 1897-1903.—Prof. Chem. Ripon Coll. Wis. (34)

1895

Rufus Mather Bagg, A. B. Amherst 1891; Asst. 1895-97; Acting Prof. Colo. Coll. 1898-99.—Prof. Mineral. New Mex. School of Mines, Socorro.

Thomas Stockham Baker, (F), A. B. 1891.—Prof. Mod. Lang. Tome Inst. Port Deposit, Md.; Lecturer, German.

James Curtis Ballagh, A. B. 1894.—Assoc. Prof. American History.

Daniel Base, A. B. 1891.—Assoc. Prof. Chem. Md. Coll. of Pharmacy and Coll. of P. and S. Balt.

Henry Marvin Belden, A. B. Trinity (Conn.) 1888.—Asst. Prof. English, Univ. of Missouri, Columbia.

Arthur Fisher Bentley, (F), A. B. 1892.—Chicago.

Samuel Walker Beyer, (F), S. B. Iowa Agric. 1889. — Assoc. Prof. Geol. Iowa Agric. Coll. Ames.

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Clarence Griffin Child, (F), A. B. Trinity (Conn.) 1886.—Asst. Ed. Worcester's Dictionary; Asst. Prof. English, Univ. of Pa.

Fonger DeHaan, (F), Asst. Instr. Assoc. 1894-97.—Assoc. Prof. Spanish, Bryn Mawr.

Charles Sumner Estes, A. B. Colby 1884; Prof. Furman 1896-98.—Instr. Latin, High School, Brooklyn.

Henry Fay, A. B. Lafayette 1889.—Asst. Prof. Chem. Mass. Inst. Tech.

Henry Stewart Gane, (F), A. B. Amherst 1891.—U. S. Geol. Survey, Washington.

George William Gray, A. B. 1890.—Chemist, Standard Oil Co. Whiting, Ind.

John Joseph Griffin, A. B. Ottawa Univ. 1881.—Prof. Chem. Catholic Univ. D. C.

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Joseph Rufus Hunter, A. B. Wake Forest 1895; Prof. Chem. Richmond Coll. 1895-1905.—Raleigh, N. C.

George Wesley Johnston, (F), A. B. Toronto 1886; Acting Asst. Prof. Cornell 1895-96.—Lecturer, Latin, Univ. of Toronto.

Thomas Franklin Kane, (F), A. B. De Pauw 1888; Prof. Olivet 1895-1900.—Prest. and Prof. Latin, Univ. of Wash. Seattle.

William Jay Karslake, S. B. Lafayette 1891; Instr. Dalhousie 1895-96. —Prof. Chem. Butler Coll. Indianapolis.

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William Hamilton Kirk, (F), A. B. 1893; Instr. Vanderbilt 1895-1900.—Prof. Latin, Rutgers, New Brunswick, N. J.

John Holladay Latane, A. B. 1892, Shaw Lecturer 1898-99; Prof. Randolph-Macon Woman's Coll. 1898-02.—Prof. Hist. Wash. and Lee, Lexington, Va.

Exum Percival Lewis, S. B. Columbian 1888.—Asst. Prof. Physics, Univ. of Cal.

William Henry Maltbie, (F), A. B. Ohio Wesleyan 1890.—Prof. Math. Woman's Coll. Balt.

Solomon Reid McKee, A. B. Davidson 1888; Prof. Ogden Coll. 1895-99. —Prof. Chem. Southwestern Presb. Clarksville, Tenn.

Thomas Francis Moran, (F), A. B. Mich. 1887.—Prof. Hist. etc. Purdue Univ. Lafayette, Ind.

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Anthony Moultrie Muckenfuss, A. B. Wofford 1889; Prof. Millsaps Coll. 1893-02, Univ. of Ark. 1902-05.—Prof. Chem. Univ. of Miss.

Lyman Churchill Newell, Ph. B. Brown 1890.—Asst. Prof. Chem. Boston Univ.

James Flack Norris, (F), A. B. 1892; Instr. and Asst. Prof. Mass. Inst. Tech. 1895-04.—Prof. Chem. Simmons Coll. Boston.

Edwin Fitch Northrup, (F), A. B. Amherst 1891; Assoc. Prof. Physics, Univ. of Texas, 1896-97.—Phila.

Robert Somerville Radford, Va. (B. Ph. 1889, Ph. D. 1891, A. M. 1892); Prof. Washburn 1897-98; Assoc. Bryn Mawr 1899-01.—Prof. Latin, Elmira Coll. N. Y.

Renè de Saussure, École Polytech. Paris; Prof. Math. Catholic Univ. 1895-99.—Switzerland.

Thomas Edward Shields, A. M. St. Mary's Sem. (Balt.) 1892; Instr. St. Paul's Sem. Minn. 1895-1902.—Asst. Prof. Physiol. Psychol. Catholic Univ. D. C.

John Archer Silver, A. B. Princeton 1886.—Prof. Hist. Hobart, Geneva, N. Y.

*Alfred William Stratton, (F), A. B. Toronto 1887; Asst. and Assoc. Chicago, 1895-99; Registrar, Univ. of the Punjab, and Prof. Sanskrit, Oriental Coll. Lahore, 1899-02. **August* 23, 1902.

William Stuart Symington, Jr. A. B. 1891; Instr. and Assoc. Prof. Stanford 1893-95; Prof. Romance Lang. Amherst, 1895-1903.—Atty. at Law, Balt.

Masayoshi Takaki, S. B. Syracuse 1891; late Lecturer, Sociol. Univ. of Tokyo.—Manager Dai Ishi Ginko, Seoul, Korea.

Robert Richardson Tatnall, S. B. Haverford 1890; Instr. Univ. of Pa. 1895-01. — Asst. Prof. of Physics, Northwestern Univ. Evanston, Ill.

Thaddeus Peter Thomas, B. P. Univ. of Tenn. 1885.—Prof. Hist. Woman's Coll. Balt.

James Waddell Tupper, A. B. Dalhousie 1891; Prof. Western Univ. Ont. 1897-1900; Assoc. Bryn Mawr 1900-02; Instr. English, Harvard,

1902-04.—Assoc. Prof. English Lit. Lafayette, Easton, Pa.
William Achenbach Wetzel, A. B. Lafayette 1891.—Princ. High School, Trenton, N. J. (47)

1896

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George Melville Bolling, (F), A. B. Loyola 1891.—Assoc. Prof. Greek and Compar. Philol. Catholic Univ.
Ferdinand Bonnotte.—Prof. Modern Lang. Western Md. Coll. Westminster.
Alfred Cookman Bryan, A. B. 1892; Instr. Wash. High School, 1896-1902, Polytech. Prep. Sch. Brooklyn, 1902-05.—Instr. Hist. N. Y. School of Commerce.
Arthur Douglas Chambers, (F), A. B. Toronto 1892.—Chemist, Ashburn, Mo.
Julian Alvin Carroll Chandler, A. B. Wm. and Mary 1891; Instr. Woman's Coll. (Richmond) and Prof. Hist. and English, Richmond Coll. 1896-04.—Editor, N. Y.
James Wilkinson Chapman, Jr. A. B. Washington (Md.) 1892; LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
Henry Scofield Cooley, S. B. New York Univ. 1891.—Instr. Hist. High School, Paterson, N. J.
Henry Rushton Fairclough, (F), Toronto (A. B. 1883, Lecturer, 1887-93).—Prof. Latin, Stanford.
Edson Fessenden Gallaudet, Yale (A. B. 1893, Instr. Physics 1897-1900).—Engineer, Dayton, O.
William Francis Gallaway, (F), A. B. 1891.—Princ. Chatham Acad. Savannah, Ga.
Frederick Stearns Hollis, S. B. Mass. Inst. Tech. 1890; Instr. Yale 1900-05.—Instr. Med. Chem. Tufts Coll.
Reid Hunt, (F), A. B. 1891, Assoc. and Assoc. Prof. 1898-03; M. D. P. and S. (Balt.) 1896; Tutor, Columbia 1896-98. — Pharmacologist, Bureau of Public Health, Wash.
Charles William Leverett Johnson, (F), A. B. 1891; Instr. Yale, 1897-1900, Princeton, 1900-03.—Baltimore.
Oliver Martin Johnston, (F), A. B. Miss. Coll. 1890; Lecturer, Bryn Mawr 1896-97.—Asst. Prof. Romanic Lang. Stanford.
Frederick Robertson Jones, Western Md. (A. B. 1892, Instr. 1896-97); Instr. and Asst. Prof. Union 1897-1902. — Assoc. Economics, Bryn Mawr.
James Pinckney Kinard, S. C. Mil. Acad. 1886.—Prof. English, Winthrop Coll. Rock Hill, S. C.
Henry McElderry Knower, (F), A. B. 1890, Bruce Fellow 1895-96; Instr. Williams 1896-97. — Instr. Anatomy; Sec. and Co-Editor *Amer. Jour. of Anatomy*.
Gordon Jennings Laing, (F), A. B. Toronto 1891; Fellow, Amer. Sch. of Class. Studies, Rome, 1896-97; Reader and Lecturer, Bryn Mawr, 1897-99.—Asst. Prof. Latin, Chicago.
George Lefevre, (F), A. B. 1891, Bruce Fellow 1895-97, Asst. 1897-98. —Prof. Zool. Univ. of Mo. Columbia.
Ebenezer Mackay, (F), A. B. Dalhousie 1886.—Prof. Chem. and Mineral. Dalhousie, Halifax, N. S.
Raphael Monroe McKenzie, S. B. New York Univ. 1890; Instr. Univ. of Cincinnati, 1898-99.—Instr. Chem. Stevens Inst., Hoboken, N. J.
Henry Ludwell Moore, (F), A. B. Rand.-Macon 1892; Instr. 1896-97; Prof. Smith Coll. 1897-1902. — Adj. Prof. Pol. Econ. Columbia.
Franklin Lafayette Riley, (F), A. B. Miss. Coll. 1889; Pres. Hillman Coll. 1896-97.—Prof. Hist. Univ. of Miss.
Brantz Mayer Roszel, (F), A. B. 1889; Instr. Physics, Wash. High School, 1896-1903. — Head Master, Sewanee Gram. School, Tenn.
Herbert Armistead Sayre, B. E. Univ. of Ala. 1893; Prof. Ursinus Coll. 1896-98.—Prof. Physics, Univ. of Ala.
Frederick George Gottlob Schmidt, (F), Acting Prof. Cornell Coll. 1896-97.—Prof. Mod. Lang. Univ. of Oregon, Eugene.
Thomas Stanley Simonds, A. B. Harvard 1884; Prof. Hobart 1897-99, Trinity (Conn.) 1899-1901; Instr. Univ. of Cal. 1901-02.—New York.
George Otis Smith, (F), A. B. Colby 1893.—U. S. Geol. Survey, Washington.
Michael Druck Sohon, Lehigh (A. C. 1890, M. S. 1894, Instr. 1896-97); late Instr. Chem. High School, N. Y.
Francis Edgar Sparks, A. B. 1893.—Atty. at Law, Balt.
*Frederic William Speirs, S. B. Worcester Polytech. 1888; Prof. Drexel Inst. 1893-98; Prof. Manual Train. School, Phila. 1898-01; Lecturer, Swarthmore 1903-04. **May* 17, 1905.
Arthur Coe Spencer, S. B. Case School 1892.—U. S. Geol. Survey, Wash.
Thomas Hardy Taliaferro, (F), C. E. Va. Mil. Inst. 1890; Instr. Math. Pa. State Coll. 1896-1901; Pres. Univ. of Fla. 1901-04.—Census Bureau, Washington.
John Thorne, A. B. Denison 1885.—Baltimore.
Harry Langford Wilson, (F), Queen's, Ont. (A. B. 1887, LL. D. 1903).—Prof. Latin, Amer. Sch. of Class. Studies, Rome, 1906-07; Prof. Roman Archæol. etc. (36)

1897

Gellert Alleman, S. B. Pa. Coll. 1893; Instr. Univ. of Me. 1897-98, Washington Univ. 1898-02.—Prof. Chem. Swarthmore.

Edward Cooke Armstrong, (F), A. B. Rand.-Macon, 1890.—Assoc. Prof. French.

Byron Briggs Brackett, A. B. Syracuse 1890; Proficient in Elec. 1895; Instr. Union 1897-98, Wash. High School 1898-1900, Rutgers 1900-03.—Prof. Physics, etc. Clarkson School of Tech, Potsdam, N. Y.

James Morton Callahan, (F), A. B. Indiana 1894; Acting Prof. Hamilton 1897-98; Lecturer, 1898-1901.—Prof. Hist. and Pol. Sci. West Va. Univ. Morgantown.

Hubert Lyman Clark, (F), Amherst (A. B. 1892, Instr. 1897-99); Prof. Olivet, 1899-05.—Asst. Invert. Zool. Harvard.

Frank Hollinger Clutz, (F), Midland Coll. (A. B. 1892, late Instructor).—Kansas City, Mo.

*Franklin Story Conant, (F), A. B. Williams 1893; Bruce Fellow 1897. **September* 13, 1897.

William Scofield Day, A. B. Columbia 1884.—Tutor, Physics, Columbia.

Noah Ernest Dorsey, (F), A. B. 1893, Asst. and Assoc. 1897-1901.—Physicist, Bureau of Standards, Wash.

Pelham Edgar, (F), A. B. Toronto 1892.—Prof. French, Victoria Univ. Toronto.

Samuel Eagle Forman, A. B. Dickinson 1887; Lecturer 1900-01; Prof. English, Balt. City Coll. 1900-01.—Washington.

William Ritchie Fraser, A. B. Dalhousie 1882.—Lecturer, Greek, McGill Univ. Montreal.

Edwin Luther Green, (F), A. B. Wash. and Lee 1892; Prof. Central (Ky.) 1898-99; Acting Prof. Iowa Coll. 1899-1900.—Adj. Prof. Ancient Lang. S. Carolina Coll. Columbia.

Arthur Sewall Haggett, (F), A. B. Bowdoin 1893.—Prof. Greek, Univ. of Washington, Seattle.

William Edwards Henderson, (F), A. B. Wooster 1891; Prof. Ohio Univ. 1897-99.—Asst. Prof. Anal. Chem. Ohio State Univ. Columbus.

William Jackson Humphreys, (F), A. B. Wash. and Lee 1886; Instr. Univ. of Va. 1897-05.—Physicist, U. S. Weather Bureau, Bluemont, Va.

Rev. Bartlett Burleigh James, Western Md. (A. B. 1891, Acting Prof. Psychol. etc. 1902-03); B. D. Westminster (Md.) Theol. Sem. 1892.—Balt.

Duncan Starr Johnson, (F), S. B. Wesleyan 1892; Bruce Fellow, 1897-98.—Prof. of Botany.

Edwin Wexler Kennedy, A. B. Univ. of Tenn. 1880; Instr. Woman's Coll. Balt. 1895-97.—Prof. Amer. Hist. and Econ. Peabody Normal Coll. Nashville, Tenn.

Francis Plaisted King, (F), A. B. Colby 1890; Asst. State Geologist of Georgia, 1893-96.

Omera Floyd Long, (F), A. B. Ky. Wesleyan 1890.—Asst. Prof. Latin, Northwestern Univ. Evanston, Ill.

William Tyler Mather, (F), A. B. Amherst 1896; Asst. 1897.—Assoc. Prof. Physics, Univ. of Texas, Austin.

John McLaren McBryde, Jr. (F), A. B. Univ. of S. C. 1890; Prof. Hollins Inst. Va. 1897-1903; Assoc. Prof. English, Univ. of N. C. 1904-05.—Sec. Sweetbriar Inst. Amherst, Va.

John Frederick Mohler, (F), A. B. Dickinson 1887.—Prof. Physics, Dickinson, Carlisle, Pa.

Charles Patrick Neill, A. B. Georgetown (D. C.) 1891; Prof. Pol. Econ. Catholic Univ. 1897-05.—Commissioner of Labor, Washington.

Robert Stewart Norris, Univ. of Cal. (S. B. 1892, late Instr. Chem.).

Philip Ogden, A. B. Cornell 1891.—Assoc. Prof. French Literature.

Nathan Allen Pattillo, S. B. Southern Univ. 1887; Prof. Ala. Normal Coll. 1897-99.—Prof. Math. Randolph-Macon Woman's Coll. Lynchburg, Va.

Alexander Pell, (F).—Prof. Math. Univ. of S. Dakota, Vermillion.

*Charles Dabney Ragland, (F), Rand.-Macon (A. B. 1889, Prof. Chem. 1897-1900). **October* 30, 1900.

Milton Reizenstein, A. B. 1894.—Supt. Hebrew Educ. Soc. Brooklyn.

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George Shipley, A. B. Rand.-Macon, 1887.—English Master, Boys' Latin Sch. Balt.; Asst. Ed. *Baltimore American*.

Charles Peter Sigerfoos, S. B. Ohio State Univ. 1889; Asst. 1895-97.—Prof. Zool. Univ. of Minn. Minneapolis.

Enoch Walter Sikes, A. M. Wake Forest 1891.—Prof. Polit. Sci. and Hist. Wake Forest, N. C.

William Bull Stoddard, S. B. Colo. Univ. 1894; Asst. Chem. Colo. Sch. of Mines, 1897-98.—Boulder, Colo.

Hugo Paul Thieme, A. B. 1893; Asst. Prof. Earlham 1897-98; Lecturer 1900-01.—Asst. Prof. French, Univ. of Mich.

George Washington Ward, Western Md. (A. B. 1890, Prof. Hist. 1893-05).—Princ. State Normal Sch. Balt.

Louis Napoleon Whealton, A. B. Western Md. 1892; LL. B. Univ. of Md. 1897.—Atty. at Law, N. Y.

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1898

Cleveland Abbe, Jr. (F), A. B. Harvard 1894; Prof. Nat. Sci. Western Md. 1898-99, Winthrop, 1899-1901.—U. S. Geol. Survey, Wash.

Howard Bell Arbuckle, A. B. Hampden-Sidney, 1889.—Sci. Instr. Decatur, Ga.

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Murray Peabody Brush, A. B. Princeton 1894; Instr. Ohio State Univ. 1898-99.—Assoc. Romance Lang.

Killis Campbell, (F), A. B. William and Mary 1894.—Instr. English, Univ. of Texas, Austin.

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William Alexander Eckels, A. B. Dickinson 1883; Prof. Ripon 1891-93.—Prof. Greek, Miami Univ. Oxford, O.

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James Graham Hardy, (F), A. B. Lafayette 1894.—Asst. Prof. Math. Williams.

Lancelot Minor Harris, A. B. Wash. and Lee 1888; Instr. and Asst. Prof. Indiana Univ. 1894-98.—Prof. English, Charleston Coll. S. C.

*Caleb Notbohm Harrison, Univ. of Wis. (B. C. E. 1882, Acting Prof. 1899-1900). **October* 11, 1904.

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Guy Carleton Lee, (F), LL. B. Univ. of N. C. 1894; A. B. and LL.M. Dickinson 1895; Instr. History 1898-04.—Baltimore.

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Cleophas Cisney O'Harra, A. B. Carthage 1894.—Prof. Geol. S. Dak. Sch. of Mines, Rapid City.

Daniel Allen Penick, (F), A. B. Texas 1891.—Instr. Latin and Greek, Univ. of Texas, Austin.

Thomas Dobbin Penniman, A. B. 1892.—Electr. Eng. Balt.

Charles William Peppler, (F), A. B. 1892.—Prof. Greek, Emory Coll. Oxford, Ga.

Ebenezer Emmet Reid, (F), A. M. Richmond 1892; Prof. Charleston Coll. 1898-1901.—Prof. Chem. Baylor Univ. Waco, Texas.

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Richard Henry Wilson, A. B. 1892, Instr. 1898-99.—Prof. Romance Lang. Univ. of Va.

Albert Francis Zahm, A. M. Notre Dame 1885.—Assoc. Prof. Mechanics, Catholic Univ. D. C. (36)

1899

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Edward William Berger, Baldwin Univ. (Ph. B. 1894, Prof. 1899-1901); Science Instr. Cleveland High School, 1901-02.—Berea, O.

William Noland Berkeley, S. B. St. John's 1896.—Chemist, San Juan, Porto Rico.

Pierce Butler, (F), A. B. Tulane 1892; Instr. Univ. of Texas, 1900-02.—Prof. History, Tulane Univ. New Orleans.

Horace Greeley Byers, A. B. and S. B. Westminster (Pa.) 1895. — Prof. Chem. Univ. of Wash. Seattle.

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Francis Whittemore Cragin, S. B. Harvard 1882.—Prof. Geol. Colorado Coll., Colo. Springs.

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James Rees Ewing, A. B. Ohio Wesleyan 1890.—Washington, D. C.

Oliver Lanard Fassig, S. B. Ohio State 1882. — Assoc. Meteorology; Meteorologist, U. S. Weather Bureau, Bluemont, Va.

George Stronach Fraps, (F), A. and M. Coll. of N. C. (S. B. 1896, Instr. 1899-02).—Prof. Chem. A. and M. Coll. of Texas and State Chemist, College Station.

Pierre Joseph Frein, (F), A. B. Williams 1892; Instr. and Asst. Prof. Stanford 1899-03. — Prof. French, Univ. of Wash. Seattle.

Leonidas Chalmers Glenn, (F), S. C. Coll. (A. B. 1891, Assoc. Prof. and Prof. 1899-1900.)—Prof. Geol. Vanderbilt.

Caswell Grave, (F), S. B. Earlham 1895; Bruce Fellow 1899-01.—Assoc. Prof. Zool.; State Shell-Fish Commissioner, Balt.

Nathaniel Edward Griffin, A. B. 1894; Instr. Iowa Univ. 1899-1900; Prof. Wells Coll. 1900-02; Instr. Univ. of Vt. 1903-04. — Preceptor, English, Princeton.

Karl Josef Grimm, (F), Rayner Fellow, 1899-1901.—Prof. Modern Lang. and Hebrew, Ursinus Coll. Collegeville, Pa.

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Willis Boit Holmes, A. B. Harvard 1896; Instr. Mass. Inst. Tech. 1899-1900.—Assoc. Chem. Univ. of Chicago.

George Oscar James, (F), A. B. 1895; Instr. Univ. of Utah, 1896-97; Lecturer, Assoc. Prof. Columbian 1900-1902; Instr. Lehigh 1902-03.—Instr. Math. Wash. Univ. St. Louis.

James Wilson Kern, Univ. of Va. 1881.—Assoc. Prof. Latin, Wash. and Lee Univ. Lexington, Va.

George Philip Krapp, A. B. Wittenberg 1894.—Lecturer, English, Columbia.

William Kurrelmeyer, (F), A. B. 1896; Prof. Franklin and Marshall 1899-1900.—Instr. German.

Alvin Fayette Lewis, A. B. Princeton 1884; Prof. Hist. Univ. of Arkansas, 1899-1902.

Joseph Francis Merrill, (F), S. B. Mich. 1893.—Prof. Physics, Univ. of Utah, Salt Lake City.

Alfred William Milden, (F), A. B. Toronto 1888.—Prof. Classics, Emory and Henry Coll. Emory, Va.

Walter Alexander Montgomery, A. B. 1892; Instr. Univ. of Ark. 1899-1900; Acting Prof. Miss. Univ. 1900-01.—Class. Master, Sewanee Gram. School. Tenn.

Daniel Esten Motley, A. B. Milligan (Tenn.) 1894.—Prest. Christian Coll. Washington, D. C.

Rokuro Nakaseko, Doshisha Kyoto, 1889; Yale (Fellow, 1899-01, M. S. 1901); late Instr. Chem. Doshisha Kyoto.—Osaka, Japan.

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Frederick Albert Saunders, (F), A. B. Toronto 1895; Instr. Haverford 1899-1901.—Prof. Physics, Syracuse Univ. N. Y.

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St. George Leakin Sioussat, A. B. 1896; Instr. Smith Coll. 1899-04.—Prof. Hist. Univ. of the South, Sewanee, Tenn.

Rev. Charles William Sommerville, A. B. and S. B. Hampden-Sidney 1890; Lectr. 1900-01. — Clergyman, Balt.

Mervin Tubman Sudler, S. B. Md. Agric. 1894; M. D. Coll. P. and S. Balt. 1901; Asst. and Instr. 1899-1902.—Instr. Anat. Med. Dept. Cornell Univ. N. Y.

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William Taylor Thom, A. B. Wash. and Lee 1869.—U. S. Geol. Survey, Washington.

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Campbell Easter Waters, A. B. 1895; Prof. Conn. Agric. 1900-01; Asst. 1901-04.—Chemist, Bureau of Standards, Wash.

Henry Skinner West, (F), A. B. 1893; Prof. Balt. City Coll. 1894-97 and 1900; Instr. English 1889-1900; Principal, Western High School, Balt. 1900-06.—Asst. to Supt. of Schools, Balt.

Francis Daniel Wilson, S. B. Va. Polytech. 1894; Asst. Tufts 1899-1900.—Instr. Chem. Va. Polytechnic, Blacksburg.

James Henry Curry Winston, A. B. and S. B. Hamp.-Sidney 1894.—Adj. Prof. Phys. Science, Hampden-Sidney, Va. (42)

1900

Homer Van Valkenburg Black, A. B. Univ. of Ga. 1896.—Asst. Chem. Ga. School of Tech. Atlanta.

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Hardee Chambliss, Va. Mil. Inst. 1894; M. S. Vanderbilt 1899.—Research Chemist, General Chem. Co. N. Y.

William Sidney Drewry, A. B. Va. 1893; Instr. Hist. Mo. Univ. 1900-02. —Richmond, Va.

James Edwin Duerden, Assoc. Royal Coll. of Scl. London, 1899; Curator, Inst. of Jamaica, 1895-1901; Bruce Fellow, 1901-02; Acting Prof. Univ. of N. C. 1902-03; Instr. Univ. of Mich. 1903-05.—Prof. Zool. Rhodes Univ. Coll. Grahamtown, Cape Colony.

Luther Pfahler Eisenhart, (F), A. B. Pa. Coll. 1896.—Preceptor in Math. Princeton.

Herbert Baldwin Foster, (F), A. B. Harvard 1895; Acting Prof. St. Stephen's 1900-01; Prof. Univ. of S. Dak. 1901-04; Acting Prof. Greek, Lehigh, 1904-05.

William Linwood Foushee, (F), A. M. Wake Forest 1894; Acting Prof. Mercer 1900-01.—Prof. Latin, Richmond Coll. Va.

Wightman Wells Garner, A. B. S. C. Coll. 1896; late Instr. Chem. Tufts Coll.—Washington.

Clyde Chew Glascock, (F), Univ. of Va. 1892.—Asst. Prof. German, Yale.

Lawrence Edmonds Griffin, (F), A. B. and Ph. B. Hamline 1895; Bruce Fellow 1900; Instr. Adelbert 1900-02.—Prof. Biol. Mo. Valley Coll. Marshall, Mo.

Rev. Adolph Guttmacher, A. B. Cincinnati 1887.—Rabbi, Balt.

Sivert N. Hagen, (F), A. B. Luther 1896; Instr. English, Iowa Univ. 1900-04.—*Public Ledger*, Phila.

Joseph Cawdell Herrick, (F), A. B. Va. 1896.—Instr. Sciences, St. Joseph's Sem. Yonkers, N. Y.

David Wilbur Horn, A. B. Dickinson 1897.—Assoc. Chem. Bryn Mawr.

William Bashford Huff, A. B. Wis. 1889; A. M. Chicago, 1896; Asst. and Instr. 1900-02.—Assoc. Physics, Bryn Mawr.

*Julian Huguenin, (F), A. B. Charleston 1895; Acting Prof. English, Univ. of La. 1900-01. **February* 19, 1901.

Walter Hullihen, (F), A. B. Va. 1896. —Prof. Latin, Grant Univ. Chattanooga, Tenn.

Robert Edmund Humphreys, A. B. Emory and Henry 1889.—Chemist, Standard Oil Co. Whiting, Ind.

Charles Ranald MacInnes, Queen's, Ont. (A. M. 1896, Instr. 1900-02); Lecturer, Math. Manitoba Coll. 1902-03; Director of Gymnasium, 1903-05.—Instr. Math. Princeton.

William Starr Myers, A. B. N. C. Univ. 1897.—Hist. Master, Country School, Balt.

John Charles Olsen, (F), A. B. Knox 1890.—Prof. Anal. Chem. Brooklyn Polytech. Inst.

Austin McDowell Patterson, A. B. Princeton 1897; Instr. Chem. Centre Coll. 1900-01, Rose Polytech. 1901-03. —Springfield, Mass.

Louis Maxwell Potts, A. B. Wash. and Jeff. 1896.—Chief Engr. Rowland Tel. Co. Balt.

George Lovic Pierce Radcliffe, A. B. 1897; Instr. Hist. Balt. City Coll. 1901-02.—Atty. at Law, Balt.

Albert Moore Reese, A. B. 1892; Prof. Allegheny 1901-02. — Assoc. Prof. Histol. Syracuse Univ. N. Y.

Herbert Meredith Reese, (F), A. B. 1897; Asst. Lick Observ. 1900-03, Yerkes Observ. 1903-04.—Instr. Physics, Univ. of Mo. Columbia.

Rev. William Rosenau, A. B. Cincinnati 1888.—Rabbi, Balt.; Assoc. Hebrew.

*Richard Burton Rowe, (F), Ph. B. Union 1896; U. S. Geol. Survey 1900-02. **May* 26, 1902.

James Eustace Shaw, (F), A. B. 1896.—Assoc. Italian.

Ernest Ashton Smith, A. B. Ohio Wesleyan 1888.—Prof. Hist. and Econ. Allegheny Coll. Meadville, Pa.

Elisha Chisholm Walden, A. B. Ohio Wesleyan, 1892.—Webb City, Mo.

Charles Clinton Weaver, (F), A. B. Trinity, N. C., 1895; Pres. Rutherford Coll. 1900-03.—Prof. Hist. Davenport Coll. Lenoir, N. C. (35)

1901

Herbert Thompson Archibald, (F), A. B. Dalhousie 1897.—Prof. Greek, Occidental Coll. Los Angeles, Cal.

George Ernest Barnett, (F), A. B. Rand.-Macon 1891. — Assoc. Prof. Polit. Econ.

Robert Montgomery Bird, A. B. Hampden-Sidney 1897; Asst. Prof. Miss. Agric. 1901-02.—Instr. Agric. Chem. Univ. of Mo. Columbia.

Jay Allen Bonsteel, S. B. Cornell 1896.—Geologist, Dept. of Agric. Washington.

Lyman James Briggs, S. B. Mich. Agric. 1893; M. S. Mich. Univ. 1895. —Physicist, Dept. of Agric. Washington.

George Dobbin Brown, (F), A. B. 1895; Acting Prof. Univ. of Vt. 1901-02.—Instr. English, Balt.

Benjamin Palmer Caldwell, (F), Tulane (A. B. 1893, B. E. 1895, Ch. E. 1897).—Asst. Prof. Chem. Tulane, New Orleans.

Victor John Chambers, S. B. Rochester 1895.—Tutor, Organ. Chem. Columbia.

William Chambers Coker, S. B. S. C. Coll. 1894.—Assoc. Prof. Botany, Univ. of N. C. Chapel Hill.

Winterton Conway Curtis, (F), A. B. Williams 1897.—Asst. Prof. Zool. Univ. of Mo. Columbia.

Waverley Bayard Daniel, (F), A. M. Wake Forest, 1892.—Prof. Latin, Baylor Univ. Waco, Texas.

James McDowell Douglas, A. B. Davidson 1893. — Assoc. Prof. Nat. Philos. Davidson, N. C.

Rev. Arthur Henry Ewing, (F), A. B. Wash. and Jeff. 1887; Western Theol. Sem. (Pa.) 1890. — Prof. Christian Coll. Allahabad, India.

James Marion Farr, A. B. Davidson 1894. — Prof. English, Fla. Univ. Lake City.

Joseph Christie Whitney Frazer, (F), S. B. Ky. State 1897.—Assoc. Chem.

Rev. Francis LeJau Frost, S. T. B. Gen. Theol. Sem. (N. Y.) 1897.—Clergyman, West New Brighton, N. Y.

Norman Everett Gilbert, (F), A. B. Wesleyan 1895; Instr. Hobart, 1901-03.—Asst. Prof. Physics, Dartmouth, Hanover, N. H.

Roscoe Guernsey, (F), A. B. Union 1896; Instr. 1901-03.—Tutor, Greek, Columbia.

Fred Cole Hicks, (F), Ph. B. Cornell Coll. 1896.—Instr. German, Monmouth, Ill.

Gilbert Logan Houser, S. B. Iowa Univ. 1891.—Prof. Animal Biology, Iowa Univ. Iowa City.

Norton Adams Kent, A. B. Yale 1895; Asst. Yerkes Observ. 1901-03.—Prof. Physics, Wabash, Crawfordsville, Ind.

George Curtis Martin, (F), S. B. Cornell 1898; Instr. 1901-04.—U. S. Geol. Survey, Washington.

William Elejius Martin, (F), A. M. Southern Univ. 1898.—Prof. Hist. Emory and Henry Coll. Emory, Va.

Jens Anderson Ness, (F), A. B. Luther 1884.—Instr. Latin, Wittenberg, Springfield, O.

Francis LeJau Parker, Jr. S. C. Mil. Acad. 1894; S. B. Chicago, 1900.—Prof. Chem. Charleston Coll. S. C.

Harold Pender, A. B. 1898; Instr. Physics, Syracuse Univ. 1902-03.—Elec. Engr. New York.

Israel Euclid Rabinovitch, (F).—New York.

George Burr Richardson, (F), S. B. Harvard 1895.—U. S. Geol. Survey, Wash.

Charles Carroll Schenck, A. B. 1893; Asst. Lehigh 1901-02; Instr. Physics, McGill, 1902-05.—Balt.

Ward Weaver Simmons, S. B. Brooklyn Polytech. 1897.—Brooklyn, N. Y. (30)

1902

Frank Ringgold Blake, (F), A. B. 1897.—Instr. Oriental Lang.

George Cator, A. B. 1901.—Pres. Amer. Bonding Co. Balt.

Friend Ebenezer Clark, W. Va. Univ. (S. B. 1898, Instr. 1902-03); Instr. Pa. State Coll. 1903-05.—Instr. Chem. Central, Danville, Ky.

Arthur Byron Coble, (F), A. B. Pa. Coll. 1897; Instr. Mo. Univ. 1902-03. —Instr. Mathematics.

Albert Eugene Curdy, (F), A. B. Kansas 1885.—Instr. French, Yale.

Theodore Clinton Foote, A. B. Racine 1880; S. T. B. Gen. Theol. Sem. (N. Y.) 1884; Rayner Fellow 1901-03.—Instr. Biblical Literature.

James Warner Harry, (F), A. B. Georgetown (Ky.) 1899.—Baltimore.

Herman Kurrelmeyer, (F), A. B. 1899.—Instr. Mod. Lang. Mass. Inst. Tech. Boston.

Charles Fowler Lindsay, (F), A. B. Dalhousie 1899.—Research Chemist, Gen. Elec. Co. Schenectady.

Louis Wardlaw Miles, (F), A. B. 1894; M. D. Univ. of Md. 1897.—Instr. English, Princeton.

Louis Alexander Parsons, (F), A. B. Iowa Univ. 1895; Asst. 1902-03; Instr. Univ. of Utah 1903-04.—Instr. Physics, Univ. of Cal. Berkeley.

Henry Farnham Perkins, A. B. Vermont 1896.—Instr. Biol. Univ. of Vt. Burlington.

Charles Snavely, A. B. Otterbein 1894. —Prof. Hist. Otterbein, Westerville, Ohio.

Percy Goldthwait Stiles, (F), S. B. Mass. Inst. Tech. 1897; Asst. 1900-02; Instr. N. Y. Univ. 1902-04.—Instr. Anat. and Physiol. Mass. Inst. Tech. and Simmons Coll. Boston.

William Stone Weedon, (F), S. B. Md. Agric. 1897.—Research Chemist, Wilmington, Del.

John Boswell Whitehead, Jr. Profic. in Elec. 1893, A. B. 1898.—Assoc. Prof. Electricity.

Kisaburo Yamaguchi, (F), Tokyo Coll. of Sci. 1891.—Chemist, Furukawa Central Office of Mines, Tokyo. (17)

1903

LeRoy Carr Barret, (F), A. B. Wash. and Lee 1897.—Instr. Latin.

Elbert Jay Benton, (F), A. B. Campbell Univ. 1895.—Prof. Hist. Adelbert, Cleveland.

George Olaf Berg, (F), A. B. St. Olaf 1899.—Acting Prof. Greek, St. Olaf, Northfield, Minn.

Benjamin Franklin Carver, S. B. Pa. Coll. 1900.—Chemist, Standard Oil Co. Whiting, Ind.

Henry Augustus Converse, A. B. Hampden-Sidney 1893; Instr. 1903-04; Instr. Balt. Polytech. Inst. 1904-06. — Prof. Math. Davis & Elkins Coll., W. Va.

Rev. John P. Coony, Asst. St. Louis Univ. 1903-04.—Prof. Chem. Marquette Coll. Milwaukee.

Frank Linley Critchlow, A. B. Princeton 1896.—Preceptor, Mod. Lang. Princeton.

Charles Keyser Edmunds, (F), A. B. 1897.—Prof. Physics, Christian Coll. Canton, China.

Philip Howard Edwards, (F), A. B. St. John's 1898.—Classical Master, Friends' School, Balt.

Frederick Hutton Getman, (F), Instr. N. Y. City Coll. 1904-05.—Instr. Chem. High Sch. Stamford, Conn.

William Elford Gould, A. B. Columbia 1879.—Flushing, N. Y.

Philip Warner Harry, A. B. 1898.—Instr. Romance Lang. Univ. of Cincinnati.

Yukimasa Hattori, (F), Tokyo Coll. of Sci. 1898.

John Gale Hun, (F), A. B. Williams 1899.—Instr. Math. Princeton.

Albert Johannsen, (F), S. B. Univ. of Utah 1898.—U. S. Geol. Survey, Wash.

Thomas Madison Jones, A. B. Rand.-Macon, 1894.—Prof. Greek and German, Rand.-Macon, Ashland, Va.

George Wiles Middlekauff, A. B. Franklin and Marshall 1891.—Physicist, Bureau of Standards, Wash.

Benjamin Leroy Miller, (F), A. B. Kansas Univ. 1897; A. M. Penn Coll. 1898. — Assoc. Geol. Bryn Mawr, Pa.

Joseph Haines Moore, A. B. Wilmington (O.) 1897.—Asst. Lick Observatory, Cal.

Alfred James Morrison, (F), A. B. Hampden-Sidney 1895.—Prof. Latin and German, Hampden-Sidney, Va.

Roland Jessup Mulford, (F), Harvard (A. B. 1893, LL. B. 1896).—Head Master, Cheshire School, Conn.

John David Rodeffer, A. B. Roanoke 1895; Instr. Engl. Balt. City Coll. 1903-04.—Library of Congress, Washington.

Henry Nevill Sanders, (F), A. B. Trinity (Ont.) 1894; Lecturer, McGill 1898-01.—Assoc. Prof. Greek, Bryn Mawr, Pa.

Charles Albert Savage, A. B. 1895.—Asst. Prof. Greek and Latin, Univ. of Minn. Minneapolis.

Atherton Seidell, Univ. of Ga. (B. Agr. 1898, S. B. 1899); M. S. Columbian 1901.—Chemist, Division of Soils, Dept. of Agric. Wash.

Daniel Naylor Shoemaker, (F), S. B. Earlham 1894; Asst. Zool. 1900-01.—Botanist, U. S. Dept. of Agric. Waco, Texas.

Arthur Whitmore Smith, (F), S. B. New Hampshire Coll. 1893.—Instr. Physics, Univ. of Mich. (27)

1904

James Barnes, (F), A. B. Dalhousie 1899; Asst. 1904-06. — Assoc. Physics, Bryn Mawr, Pa.

Harry Preston Bassett, S. B. Ky. State 1901. — Research Chemist, Woodbury, N. J.

Charles Edward Brooks, A. B. 1900.—Fayetteville, N. C.

George Griffin Brownell, A. B. Syracuse 1893.—Prof. Romance Lang. Univ. of Ala.

Douglas Labaree Buffum, (F), A. B. and A. M. Va. 1898; Instr. Yale 1904-05. — Preceptor, Mod. Lang. Princeton.

Howard Vernon Canter, (F), A. B. Wash. and Lee 1896.—Instr. Latin, Univ. of Mo. Columbia.

Charles Geiger Carroll, A. B. Southwestern 1898.—Prof. Chem. Southwestern, Georgetown, Texas.

Walter Buckingham Carver, (F), Ph. B. Dickinson 1899; Prof. Ursinus 1904-06.—Instr. Math. Cornell.

Rheinart Parker Cowles, (F), A. B. Stanford 1899; Bruce Fellow 1902-04.—Asst. Biology.

John Jackson Crumley, A. B. Chicago 1899. — Prof. Latin, Antioch, Yellow Springs, O.

Howard Waters Doughty, (F), Prof. in Elec. 1893. — Instr. Chem. Univ. of Mo. Columbia.

Aaron Ember, (F), A. B. 1901, Rayner Fellow 1904-06.—Instr. Hebrew.

Otto Charles Glaser, A. B. 1900, Bruce Fellow, 1904-05.—Instr. Zool. Univ. of Mich.

Elliot Snell Hall, (F), A. B. Amherst 1896.—Instr. Chem. Univ. of Chicago.

Henry Dickinson Hill, A. B. 1900.—N. Y. Telephone Co.

John Porter Hollis, (F), A. B. Wofford 1895; Acting Prof. Hist. Southwestern Univ. Texas, 1904-05.—Bureau of Corporations, Wash.

Arthur Isaac Kendall, (F), S. B. Mass. Inst. Tech. 1900.—Bacteriologist, Ancon, Panama, S. A.

Albert Frederick Kuersteiner, A. B. Cincinnati 1888. — Prof. Romance Lang. Indiana Univ. Bloomington.

Charles Edward Lyon, A. B. 1897; Instr. Williams, 1904-05.—Instr. Mod. Lang. Princeton.

Ernest Gale Martin, (F), Ph. B. Hamline 1897; Asst. 1903-04.—Instr. Anat. and Physiol. Purdue, Lafayette, Ind.

Raymond Durbin Miller, (F), A. B. 1898. — Instr. English, Univ. of Texas, Austin.

James Raider Mood, A. B. Charleston 1900. — Instr. Latin, Villanova Coll. Pa.

McKendree Llewellyn Raney, (F), A. B. Centre 1897.—Asst. Librarian.

John Joseph Rutledge, S. B. Ill. Univ. 1894.

John Philip Schneider, (F), A. B. Wittenberg 1896; A. M. Columbia 1898. — Prof. English, Wittenberg, Springfield, O.

Theodore Leslie Shear, (F), A. B. N. Y. Univ. 1900.—Tutor, Greek, Columbia.
Harry William Springsteen, S. B. Case School 1897; Instr. Physics, Bryn Mawr 1904-06.
Charles Kephart Swartz, (F), A. B. 1888; B. D. Oberlin 1892; Fellow, Clark 1889-90.—Assoc. Geology, etc.
David Hilt Tennent, (F), S. B. Olivet 1900; Bruce Fellow 1904.—Lecturer, Zoology, Bryn Mawr.
James Blanton Wharey, A. B. Davidson 1892.—Prof. English, Southwestern Presb. Univ. Clarksville, Tenn.
William Phillips Winter, A. B. Ohio Wesleyan 1887.—Prof. Chem. Albright Coll. Meyerstown, Pa.

(31)

1905

Edward Cook Bingham, A. B. Middlebury 1899.—Student, Berlin.
Beverly Waugh Bond, Jr. A. B. Rand.-Macon 1900. — Instr. Hist. Univ. of Miss.
Hamilton Bradshaw, (F), A. B. Beloit 1902.—Research Chemist, Woodbury, N. J.
Oliver Perry Chitwood, (F), A. B. William and Mary 1899. — Instr. Hist. Mercer Univ. Macon, Ga.
Philip Howard Cobb, A. B. Bowdoin 1902.—Asst. Chem. Tufts Coll.
De La Warr Benjamin Easter, A. M. Rand.-Macon 1891; Adj. Prof. Wofford 1893-95; Instr. 1904-05.—Prof. Mod. Lang. Rand.-Macon, Ashland, Va.
Hamilton James Eckenrode, A. B. Fredericksburg 1898. — Archivist, State Library, Richmond, Va.
Thomas Howard Fowler, A. B. Washington (Md.) 1897.—Instr. German, Williams Coll.
John Calvin French, (F), A. B. 1899. —Instr. English.
Eugene Willis Gudger, S. B. Nashville Univ. 1892.—Prof. Biol. and Geol. N. C. Normal and Indus. Coll. Greensboro.
August Ernest Guenther, (F), A. B. Mich. 1898.—Asst. Prof. Physiol. Univ. of Neb. Lincoln.
William Edwin Hoffman, Jr. A. B. 1902.—Chemist, Balt.
Lee Milton Hollander, (F), A. B. 1901. —Christiania, Norway.
Edward William Hope, A. B. Pa. Univ. 1898.—Adj. Prof. Greek, Univ. of Ala.
William Kirk, (F), A. B. 1902.—Instr. Econ. Brown Univ.
Winfred George Leutner, (F), A. B. Adelbert 1901.—Prof. Greek, Wittenberg, Springfield, O.
Robert Edward Loving, (F), A. B. Richmond 1896.—Prof. Physics, etc. Blackburn Coll. Carlinville, Ill.
Ashton Waugh McWhorter, (F), A. B. Roanoke, 1895.—Instr. Greek and Latin, George Washington Univ.
William John Miller, (F), S. B. Univ. of Pacific 1900.—Prof. Geol. Hamilton Coll. Clinton, N. Y.
Henry Bayard Phillips, (F), S. B. Erskine 1900.—Instr. Math. Univ. of Cincinnati.
James Temple Porter, (F), A. B. Rand.-Macon 1895; Instr. Williams 1905-06. — Prof. Physics, Rand.-Macon, Ashland, Va.
Robert Lee Ramsay, (F), A. B. Fredericksburg 1899.—Asst. English.
Samuel Rittenhouse, A. B. Ursinus 1901.—Instr. Biol. Olivet Coll. Mich.
James Edward Routh, Jr. A. B. 1900. —Asst. English, Univ. of Texas.
Aaron Morton Sakolski, Ph. B. Syracuse 1902.—Univ. Settlement, N. Y.
William George Selple, A. B. Franklin and Marshall 1898; Rayner Fellow 1903-04. — Missionary, Sendai, Japan.
Forrest Shreve, (F), A. B. 1901, Bruce Fellow 1905-06.—Instr. Botany, Woman's Coll. Balt.
Roswell Powell Stephens, A. B. Ga. 1896.—Instr. Math. Wesleyan, Middletown, Conn.
Henry Philip Straus, A. B. 1902.
Levi Shoemaker Taylor, (F), S. B. Swarthmore 1898. — Science Instr. Friends' Central Sch. Phila.
Mayville William Twitchell, S. B. Columbian 1899.—Prof. Geol. S. C. Coll. Columbia.
Horace Scudder Uhler, (F), A. B. 1894.—Instr. Physics, Yale.
Augustus Price West, A. B. 1901.—Chemist, Balt.
Boyd Ashby Wise, (F), A. B. Rand.-Macon 1897.—Classical Instr. Belmont, Cal.
James Martin Wright, (F), A. B. Wm. Jewell 1901.—Asst. History.

(35)

1906

(*February* 22)

Edward Pechin Hyde, (F), A. B. 1900.—Physicist, Bureau of Standards, Washington.

(690)

Doctor of Medicine

When no institution is mentioned, the degree or position refers to the Johns Hopkins University or the Johns Hopkins Hospital. *Deceased.

1897

Charles Russell Bardeen, A. B. Harvard 1893; Asst. Assoc. and Assoc. Prof. of Anatomy, 1897-1904.—Prof. of Anatomy, Univ. of Wisconsin, Madison.

Thomas Richardson Brown, A. B. 1892; Resident House Officer, 1897-98.—Chief of Med. Clinic and Assoc. in Medicine; Assoc. Prof. of Clinical Medicine, Coll. of P. & S. Balt.; Assoc. Editor, Maryland Med. Jour.; Consult. Physician, Frederick City Hosp.; Physician, Baltimore.

*Walter S. Davis, S. B. Amherst 1893; Resident House Officer, 1897-98.

Louis Philip Hamburger, A. B. 1893; Resident House Officer, 1897-98.—Assoc. and Chief of Med. Clinic; Attending Physician, Union Prot. Infirmary; Physician, Baltimore.

Guy Le Roy Hunner, S. B. Wisconsin 1893; Resident House Officer and Asst. Resident Gynecologist, 1897-1900; Resident Gynecologist and Instr. 1900-02.—Associate in Gynecology; Physician, Baltimore.

Irving Phillips Lyon, A. B. Yale 1893; Resident House Officer, 1897-98.—Instr. in Clinical Med. Univ. of Buffalo; Pathologist, Charity Eye, Ear and Throat Hosp. of Erie Co., Supervis'g Librarian, Med. Library, Univ. of Buffalo, and Physician, Buffalo, N. Y.

William George MacCallum, A. B. Toronto 1894; Resident House Officer, Resident Bacteriologist, and Asst. Resident Pathologist, 1897-1900; Assoc. in Pathol. 1900-01.—Resident Pathologist and Assoc. Prof. of Pathology.

Charles Neil McBryde, S. B. Univ. of South Carolina 1891; M. S. Virginia Polytechnic Institute, 1892; Physician, Blacksburg, Va. 1897-1900.—Asst. in Bacteriol. Biochemical Lab. Dept. of Agriculture, Washington, D. C.

James Farnandis Mitchell, A. B. 1891; Resident House Officer and Asst. Resident Surgeon, 1897-1900; Resident Surgeon and Instr. in Surgery, 1900-02.—Prof. of Surg. Path. Columbian Univ. and Surgeon, Washington, D. C.

Joseph Longworth Nichols, A. B. Harvard 1893; Fellow in Pathol. 1897-98; Student, Univ. of Berlin, 1898-99.—Saranac Lake, N. Y.

Eugene Lindsay Opie, A. B. 1893; Resident House Officer, 1897-98; Fellow, Asst. Instr. and Assoc. in Pathology, 1898-1904.—Assoc. Rockefeller Institute for Med. Research, N. Y.

Mary Secord Packard, A. B. Vassar 1892; Harvard Summer Sch. 1893; Resident House Officer, 1897-98; Physician to Kingsley House (Coll. Settlement), Pittsburgh, 1898-1900; Pathologist, New Eng. Hosp. Boston, 1902-03.—Physician, Providence, R. I.

Omar Borton Pancoast, S. B. Swarthmore 1893; Resident House Officer, 1897-98; Resident Surgeon, Union Prot. Infirmary, Baltimore, 1898-1900.—Clinical Asst. in Surgery; Physician, Baltimore.

Clement Andariese Penrose, A. B. 1893; Resident House Officer, 1897-1898.—Physician, Baltimore.

Richard Pearson Strong, Ph. B. Yale 1893; Resident House Officer, 1897-98; Asst. Surg. U. S. Army, in charge of Army Path. Lab. Manila, 1899-1901.—Director of Gov't Biol. Lab'y, Manila. (15)

1898

William Stevenson Baer, A. B. 1894; Resident House Officer and Asst. Resident Surgeon, 1898-1900; Asst. and Instr. in Orthopedic Surgery, 1900-05.—Visiting Orthoped. Surg. Cambridge Hosp. and Union Prot. Infirmary; Clinical Asst. and Associate.

William Jephtha Calvert, A. B. Univ. of Kentucky, 1893; First Lieut. and Asst. Surgeon, U. S. A. Fort McHenry, 1898-1902; Lecturer on Tropical Diseases, Washington Univ. St. Louis, 1902-03.—Asst. Prof. Internal Medicine, Univ. of Missouri, Columbia.

Patrick Joseph Cassidy, A. B. Yale 1894; Asst. Resident Physician, Backus Hosp. 1898-99.—Med. Examiner, Metropolitan Life Ins. Co., Visiting Surg. Mem. Hosp. and Physician, New London, Conn.

John Williams Coe, Ph. B. Yale 1893; Senior Asst. on House Staff, Presbyterian Hosp. N. Y., 1898-99, and Resident Physician, 1899-1900.—Asst. in Clinical Pathol. Cornell Univ. and Physician, N. Y.

Percy Millard Dawson, A. B. 1894; Fellow, Asst. Instr. and Assoc. 1898-1904.—Assoc. Prof. of Physiology.

Arthur Wells Elting, A. B. Yale 1894; Resident House Officer, 1898-99; Asst. in Pathol. Albany Med. Sch. 1899-1900.—Surgeon, Child's Hosp.; Attend. Surg. Albany Hosp.; St. Peter's Hosp.; Consult. Surg. Hudson Hosp. and Lecturer in Surgical Pathol. Albany Med. School; Surgeon, Albany, N. Y.

William Webber Ford, A. B. Adelbert 1893; Resident House Officer, 1898-99; Fellow in Pathol. McGill Univ. 1899-1901; Fellow, Rockefeller Inst. for Med. Research, Inst. for Infectious Diseases, Berlin, 1901-02, and J. H. U. 1902-03, Instr. in Bacteriol., 1903-05.—Assoc. Prof. Bacteriol. and Lecturer, Hygiene.

Thomas Wood Hastings, A. B. 1894; Resident House Officer, 1898-99; Surgeon, Hospital Ship "Maine," 1899-1900.—Instr. in Clinical Pathol. and Attending Physician, Dispensary Staff, Cornell Univ. Med. Coll.; Physician, N. Y.

Alfred Birch Herrick, A. B. Williams 1894; Resident House Officer 1898-99; Resident Physician, National Soldiers' Home, 1899-1900; Resident Surgeon, Barnes Hosp. Washington, 1900-04.—Isthmian Canal Commission, Panama.

James Hall Mason Knox, Jr. A. B. Yale 1892, and Ph. D. 1894, A. M. Lafayette 1896; Resident House Officer, 1898-99.—Clinical Asst. and Instr. in Pediatrics; Physician in Charge, Thomas Wilson Sanitarium; Physician, Baltimore.

Millard Langfeld, A. B. 1893.—Prof. of Bacteriol. and Embryology, Creighton Med. Coll., Bacteriologist to Omaha City Board of Health; Physician to St. Joseph's and Douglas Co. Hospitals, and Physician, Omaha, Neb.

Gertrude Underhill Light, S. B. Wisconsin 1894; Physician, Randall's Island Hosp. for Children, N. Y. 1898-99; Demonstrator of Pathol. Wisconsin Coll. of P. & S. 1899-1900; Clinical Asst. Bellevue Hosp. Disp. 1901-02.—Sanitary Inspector, Tenement House Dept. N. Y.

James Daniel Madison, S. B. Wisconsin 1894; Resident House Officer, 1898-99; Asst. Resident Physician, Danvers Insane Hosp. Mass. 1899-1902.—Adjunct Prof. of Medicine, Wis. Coll. of P. & S. and Physician, Milwaukee.

Harry Taylor Marshall, A. B. 1894; Resident House Officer, 1898-99; Fellow, 1899-1900; Asst. Resident Pathologist, 1900-03; Chief of Med. Clinic and Instr. in Pediatrics, and Physician, Baltimore.

Roger Griswold Perkins, A. B. Union Coll. 1893, and Harvard 1894; Resident Pathologist, Lakeside Hosp. Cleveland, 1900-02.—Asst. Prof. of Pathol. and Bacteriol. Western Reserve Univ.; Visiting Pathologist to St. Alexis, Mt. Sinai and City Hospitals, and Physician, Cleveland.

Katherine Porter, A. B. Bryn Mawr 1894; House Physician, N. Y. Infirmary for Women and Children, 1898-99.—Externe, Orange Memorial Hosp. Disp.; Physician, Children's Aid and Protective Society of the Oranges; Asst. Surgeon, N. Y. Infirmary for Women and Children; Physician, Orange, N. J.

Joseph Hersey Pratt, Ph. B. Yale 1894; A. M. Harvard 1901; Asst. Pathologist, City Hosp. Boston, 1899-1900; Instr. in Pathol. Harvard; Asst. Visiting Pathologist, City Hosp. and Asst. Pathologist, Children's Hosp. Boston, 1900-02.—Asst. in the Theory and Practice of Physic, Harvard; Physician to Out-Patients, Mass. Gen'l Hosp.; Fellow, Rockefeller Institute for Med. Research, and Physician, Boston.

Georgiana Sands, A. B. Vassar 1893; Grad. Student, Barnard Coll. 1893-94; Resident House Officer, 1898-99.—Visiting Physician, Port Chester Hosp. and Physician, Port Chester, N. Y.

Benjamin Robinson Schenck, A. B. Williams 1894; Resident House Officer and Asst. Resident Gynecologist, 1898-1902; Resident Gynecologist and Instructor, 1902-03.—Physician, Detroit, Mich.

Walter Ralph Steiner, A. B. Yale 1892, and A. M. 1895; Grad. Student, 1892-94; Resident House Officer, 1898-99.—Pathologist and Bacteriologist, Hartford Hosp. and Physician, Hartford, Conn.

Emma Elizabeth Walker, A. B. Smith 1887.—Clinical Asst. Hosp. for Ruptured and Crippled, and Physician, New York.

Andrew Henderson Whitridge, S. B. Harvard 1894; Resident House Officer, 1898-99.—Clinical Asst. in Medicine; Med. Director of Maryland Life Ins. Co.; Physician, Baltimore. (22)

1899

Edward Erle Brownell, Ph. B. Yale 1895; Resident House Officer, 1899-1900.—Physician, San Francisco, Cal.

Humphrey Warren Buckler, A. B. 1895; Resident House Officer, 1899-1900; Asst. Obstetrics 1901-06; Clinical Asst. in Medicine; Prof. of Medicine, Woman's Med. Coll. of Balt. and Physician, Baltimore.

Rufus Ivory Cole, S. B. Michigan 1896; Resident House Officer, and Asst. Resident Physician, 1899-1904.—Med. Adviser to Med. Students; Resident Physician; Assoc. in Medicine.

John Staige Davis, Ph. B. Yale 1895; Resident House Officer, 1899-1900; Resident Physician, Union Protestant Infirmary, 1900-03.—Clinical Asst. in Surgery; Surgeon to the Dispensary of the Robt. Garrett Hosp. for Children; Prof. of Surgery, Woman's Med. Coll. of Baltimore, and Physician, Baltimore.

Charles Phillips Emerson, A. B. Amherst 1894; Resident House Officer, 1899-1900; Instructor, 1900-03; Asst. Resident Physician in charge of Clinical Lab., 1903-05.—Asst. Res. Physician and Associate in Medicine.

Blanch Nettleton Epler, S. B. California 1895; House Physician, Randall's Island Hosp. for Children, and Interne, N. Y. Infirmary for Women and Children, 1899-1900.—Physician, Kalamazoo, Mich.

Joseph Erlanger, S. B. California 1895; Resident House Officer, 1899-1900; Fellow in Pathol.; Asst. Instr. Assoc. Assoc. Prof. 1900-06; Prof. of Physiol. Univ. of Wisconsin.

Philip Saffery Evans, Jr. A. B. Yale 1895; Clinical Asst. in Surgery, 1900-01.—Medical Missionary, Yangchow, China.

Richard Holden Follis, Jr. Ph. B. Yale 1895; Externe, 1899-1900; Asst. Resident Surgeon, 1900-02; Resident Surgeon and Instr. in Surgery, 1902-05.—Assoc. in Surgery; Surgeon, Baltimore.

Frank Taylor Fulton, S. B. Knox 1894; A. B. 1895; Pathol. Interne, City Hosp. Boston, 1899-1900.—Pathologist and Director of Pathol. Lab. Rhode Island Hosp.; Instructor in Pathol. and Histol. Brown Univ. and Physician, Providence.

*James Daton Gallagher, A. B. 1895; Physician to the Private Wards, Lakeside Hosp. Cleveland, 1899-1900.

Henry Harris, A. B. Stanford 1895; Resident House Officer, 1899-1900.—Instr. in Princ. and Prac. of Med. and 1st Asst. in Med. Clinic, Cooper Med. Coll.; Visiting Physician, Hebrew Orphan Asylum and Mt. Zion Hosp. and Physician, San Francisco.

Henry Joseph Hoye, A. B. Brown 1895; Surg. Interne, City Hosp. Boston 1899-1900, and House Surgeon, 1900-01.—Pathol. Externe, R. I. Hosp.; Surg. to Out-Patient Dept. St. Joseph's Hosp. and Physician, Providence.

Louis Williams Ladd, A. B. Yale 1895; Acting Asst. Resident Physician, 1899-1900; Resident Physician, Lakeside Hosp. 1900-01.—Lecturer on Clin. Microscopy, Western Reserve Univ.; Clin. Microscopist, Lakeside Hosp. Cleveland.

Charles Sumner Little, A. B. Wabash 1894, and A. M. 1903.—Assoc. in Pathol. Central Coll. of P. and S. and Physician, Indianapolis, Ind.

John Arthur Luetscher, S. B. Wisconsin 1895; Resident House Officer, 1899-1900; House Physician, City Hosp. Boston, 1900-01.—Clinical Asst. and Asst. in Medicine, and Physician, Baltimore.

Frank Allemong Lupton, S. B. Ala. Polytech. Inst. 1891, and M. S. 1892; Grad. Student, 1893-94.—Member of Southern Surg. and Gynecol. Assn.; Prof. of Clinical Microscopy and Bacteriol. and Assoc. Prof. of Obstetrics, Birmingham Med. Coll. Ala.

Frank Worthington Lynch, A. B. Adelbert 1895; Asst. Resident Obstetrician, 1899-1900; Resident Obstetrician; Chief of Obstet. Clinic, and Assoc. in Obstetrics, 1900-03.—Instr. in Obstetrics, Rush Med. Coll. Chicago.

Chester Lea Magee, A. B. Stanford 1895, and A. M. 1896; Asst. Resident Physician, City Asylum, Balt. 1899-1900; Instr. in San Diego Training Sch. for Nurses, 1900-02; Asst. Surg. Santa Fé R. R., 1903-04.—Examiner, N. W. Mut. Pacific Mut. N. Y. Life, Home life and Traveler's Ins. Cos. and Physician, Los Angeles, Cal.

Hugh Miller Moore, S. B. and M. S. Miami 1895.—Fellow, Amer. Acad. of Med.; Med. Director, Miami Univ. and Physician, Oxford, O.

Charles Williams Ottley, A. B. Princeton 1893 and A. M. 1903; Traveling Secy. of Student Volunteer Movement for Foreign Missions, N. Y., 1899-1900; House Physician, Blackwell's Island, Dept. of Charities, N. Y. 1900-01; Prof. of Biology, and College Physician, Robert Coll. Constantinople, 1901-04; Physician and Surg. to Anatolia Coll. Hosp. Marsovan, Turkey, 1904-05. — Physician, Atlanta, Ga.

Paul Octavius Owsley, Ph. B. Yale 1895, Asst. Resident Surgeon, St. Joseph's Hosp. Balt. 1899-1901.—Instr. in Clin. Gynecology, Northwestern Med. School; Attending Surg. to Cook Co. Hosp. and Physician, Chicago.

Jacob Hall Pleasants, A. B. 1895; Resident House Officer, 1899-1900.—Assoc. Prof. of Clin. Medicine, Coll. of P. and S. Balt.; Chief of Med. Clinic, and Instr. in Medicine; Physician, Baltimore.

Sylvan Rosenheim, A. B. 1895.—Demonstrator of Bacteriol. Coll. of P. and S. Balt.; Chief of Laryngol. Clinic, N. E. Dispen.; Asst. and Clinical Asst. in Laryngology; Physician, Baltimore.

John Albertson Sampson, A. B. Williams 1895; Resident House Officer, 1899-1900; Asst. Resident Gynecologist, 1900-02; Resident Gynecologist, 1902-04; Asst. in Gynecol. 1902-04.—Gynecologist, Albany Hosp. and Physician, Albany, N. Y.

Halbert Severin Steensland, S. B. Wisconsin 1895; Pathol. House Officer, City Hosp. Boston, 1899-1900.—Director, Pathol. Lab. Syracuse Univ. N. Y.

William Ridgely Stone, A. B. Princeton 1895; Interne, Blackwell's Island. Dept. of Charities, N. Y. 1899-1900.—Asst. Visiting Obstetrician, Maternity Hosp. Blackwell's Island; Asst. Attending Physician, Cornell Univ. Med. Sch. Disp.; Sec'y N. Y. State Med. Assn. and Physician, N. Y.

Edgar Randolph Strobel, A. B. 1895; Externe, 1899-1900; Clinical Prof. of Dermatology, Balt. Med. Coll.; Instr. and Clinical Asst. in Dermatology; Physician, Baltimore.

Frederick Herman Verhoeff, Ph. B. Yale 1895; A. M. Harvard 1902; Externe, Asst. Surgeon, Balt. Eye, Ear and Throat Charity Hosp., 1899-1900; Asst. in Pathol. Harvard Med. School 1900-02.—Pathologist, Mass. Charitable Eye and Ear Infirmary, Asst. Ophthalmic Surgeon, Carney Hosp. and Physician, Boston.

William Whitridge Williams, A. B. 1895; Resident Physician, St. Joseph's Hosp. Balt. 1899-1900; Asst. Univ. of Prague, 1900-01; Asst. in Pathol., Harvard, 1901-03.—Graduate Asst. Out-Patient Dept. Mass. Gen'l Hosp. Boston.

Sarah Delia Wyckoff, S. B. Wellesley 1894; Resident House Officer, 1899-1900.—Physician, Wilkes-Barre, Pa.

John Lawrence Yates, Ph. B. Yale 1894; S. B. Wisconsin 1895; Resident House Officer, 1899-1900, and Asst. Resident Surgeon, 1900-01; Asst. in Pathol. 1901-02; Asst. Demonstrator of Pathol. Univ. of Pa. 1902-03. — Pathologist, Augustana Hosp. and Physician, Chicago.

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1900

Joseph Akerman, A. B. Univ. of Georgia 1894, and Grad. Student, 1895-96. — Resident Physician and Surgeon, Presbyterian Hosp. Philadelphia, 1900-02; Supt. Walker Memorial Hosp., Wilmington, N. C.

Herbert Williams Allen, S. B. California 1896; Resident House Officer, 1900-01; Resident Physician, Lakeside Hosp. Cleveland, 1901-02.—Asst. in Clin. Pathol. Med. Dept. Univ. of Cal. and Physician, San Francisco.

Mabel Fletcher Austin, S. B. Minnesota 1896; Pathologist and Interne, City and County Hosp. St. Paul, 1900-02.—Pathologist, New England Hosp. and Physician, Boston.

Alma Emerson Beale, A. B. Wellesley 1891; Marine Biological Lab. 1893; Externe, 1900-01; Resident Physician, Evening Disp. for Working Women and Girls, Balt. 1900-01; Interne, N. Y. Infirmary for Women and Children, 1901-02.—Physician, Schaghticoke, N. Y.

*Milton Bettmann, A. B. Harvard 1897; Resident House Officer, 1900-01; Student, Berlin, 1901-02.

Evelyn Briggs, A. B. Stanford 1896. —Physician, Sacramento, Cal.

Lawrason Brown, A. B. 1895.—Resident Physician, Adirondack Cottage Sanitarium, Saranac Lake, N. Y.

Herman Brülle, A. B. and S. B. Hampden-Sidney 1895; Grad. Student, 1895-96; Externe, 1900-01.—Clinical Asst. in Medicine; Medical Agent for City Charities, and Physician, Baltimore.

Curtis Field Burnam, A. B. Central Univ. Ky. 1895; Grad. Student, 1895-96; Resident House Officer, 1900-01; Asst. Resident and Resident Gynecologist, 1901-04.—Med. Examiner, N. Y. Mutual Life Ins. Co. St. Paul, and Physician, Minneapolis.

Arthur Smith Chittenden, A. B. Yale 1896; House Surgeon, N. Y. Hosp. 1900-02.—Asst. in Path. Columbia; Visiting Pathologist, Lincoln Hosp.; Physician, N. Y.

Henry Asbury Christian, A. B. and A. M. Randolph-Macon 1895, and Grad. Student, 1895-96; A. M. Harvard 1903; Asst. in Pathol. City Hosp. Boston, 1900-02.—Chairman of Sec. on Pathol. and Physiol. Amer. Med. Ass'n,; Instructor in Pathol. Harvard; Asst. Visiting Pathologist, City Hosp. and Children's Hosp. Boston.

William Remshart Dancy, S. B. Univ. of Georgia, 1896; House Physician (1900-01) and Surgeon Seney Hosp. Brooklyn, 1901-02; Student, Berlin and Vienna, 1902-03; Res. Supt. Savannah Hosp. 1903-04.—Med. Referee, Mut. Life Ins. Co. and Physician, Savannah, Ga.

Frank Curtiss Davis, A. B. Amherst 1905.—Physician, Rochester, Minn. (*Degree granted December* 4, 1899.)

Augustus Hartje Eggers, Ph. D. Yale 1896.—Physician, Ambridge, Pa.

Henry Courtney Evans, A. B. Adelbert 1896; Interne, Western Penna. Hosp. Pittsburg, 1901-02.—Physician, Youngstown, O.

Rose Fairbank A. B. Smith 1895.—Asst. Resident Physician, Hosp. of the Union Missionary Society, Jhansi, India.

Clarence B. Farrar, A. B. Harvard 1896.—Asst. Physician and Director of the Laboratory, Sheppard and Pratt Hosp. Balt.; Research Asst. Carnegie Institution of Washington; Asst. in Psychiatry; Lecturer in Physiol. Psychology.

Arthur Lawrence Fisher, S. B. California 1896; Resident House Officer, 1900-01; Fellow Rockefeller Inst. for Med. Research, 1901-02.—Asst. Visiting Surg. Mt. Zion Hosp. and Physician, San Francisco.

William Alexander Fisher, Jr. A. B. Princeton 1896; Resident House Officer, 1900-01; Asst. Physician, Union Protestant Infirmary, 1901-02. —Clinical Asst. in Surgery, and Physician, Baltimore.

Howard Fletcher, A. B. Randolph-Macon 1896, and Grad. Student, 1895-96; Instructor in Histol. Univ. Coll. of Medicine, Richmond, 1902-03.—Physician, Fairfax, Va.

Joseph Marshall Flint, S. B. Chicago 1895; A. M. Princeton 1900; Assoc. Univ. of Chicago, 1900-01.—Prof. of Anatomy, Univ. of California.

William Patrick Healy, Ph. B. Yale 1896; Interne, N. Y. City Hosp. 1900-02; Gynecol. Interne, Roosevelt Hosp. 1902-03; Asst. Attending Surgeon, N. Y. Lying-in Hosp. 1903-04.—Asst. in Gynecol. Vanderbilt Clinic. Clin. Instr. in Gynecology, Coll. P. and S. and Physician, N. Y.

*William Faithful Hendrickson, A. B. 1896; Asst. Demonstrator of Pathol. Univ. of Pennsylvania, 1900-02.

Albion Walter Hewlett, S. B. California 1895; Grad. Student, Univ. of Chicago, 1895-96; House Physician, New York Hosp. 1900-02.—Instr. Clin. Med. Cooper Med. Coll. and Physician, San Francisco.

William Crissey Kellogg, A. B. Yale 1896; Resident Physician, Soldiers' Home, Washington, 1900-01.—Asst. in Pathol. and Lecturer on Dermatol. Univ. of Georgia; Sec'y Richmond Co. Med. Soc. and Physician, Augusta, Ga.

Preston Kyes, A. B. Bowdoin 1896, and A. M. 1900.—Assoc. in Mem. Inst. for Infectious Diseases; Fellow, Rockefeller Inst. for Med. Research, and Asst. Prof. of Anatomy, Univ. of Chicago.

Leona Lebus, S. B. Wellesley 1899.—Los Angeles, Cal.

Warren Harmon Lewis, S. B. Michigan 1894, and Asst. 1894-96; Asst. Instr. and Assoc. 1900-04.—Associate Prof. of Anatomy.

Harry Wilson Little, S. B. Wabash 1896; House Physician, Maternity, City and Epileptic Hosps. Blackwell's Island, 1901-03.—Physician, Evansville, Ind.

Ellen Louise Lowell (Mrs. Ellen Lowell Stevens), A. B. Stanford 1896; Resident Physician, N. Y. Infirmary for Women and Children, 1900-02; Asst. in Genl. Med. Clinic, Presbyterian Hosp. Disp. 1902-03; Asst. in Babies' Hosp. Disp. Chief of Clinic of Children's Medicine, Harlem Hosp. Out-Patient Dept. N. Y. 1903-04.—Physician, Jacksonville, Fla.

*John Bruce MacCallum, A. B. Toronto 1896; Asst. in Anatomy, 1900-02; Asst. Prof. of Physiology, Univ. of Cal. 1902-05.

Mary Wilbur Marvell, S. B. Wellesley 1894; Interne, New England Hosp. Roxbury, 1900-01.—Physician, Fall River, Mass.

Clara Meltzer (Mrs. John Auer), A. B. Barnard 1896; Grad. Student, 1900-01; Research Scholar, Rockefeller Inst. for Med. Research; Ophthalmologist, Harlem Hosp. Disp. 1901-03.—Clinical Asst. N. Y. Eye and Ear Infirmary, and Physician, N. Y.

Clelia Duel Mosher, A. B. Stanford 1893, and A. M. 1894; Asst. and Instr. in Hygiene, Stanford Univ. 1893-96; Gynecological Asst., Dr. Kelly's Sanatorium, Baltimore, and Externe, 1900-01.—Physician, Palo Alto, Cal.

Hannah Glidden Myrick, A. B. Smith 1896; Interne, New England Hosp. Roxbury, 1900-01.—Asst. Physician, N. Eng. Hosp. Roxbury; Physician, Dorchester, Mass.

*Edward Spiller Oliver, A. B. 1895; Physician, Saranac Lake, N. Y. 1900-02.

Richard Foster Rand, Ph. B. Yale 1895, and Grad. Student, 1895-96; Resident House Officer, 1900-01; Resident Surgeon, Parker Hosp. Univ. of Missouri, 1901-02.—Asst. Surg'l and Gynecol. Clinic, Yale Univ. and Physician, New Haven, Conn.

Dorothy M. Reed, B. L. Smith 1895; Grad. Student, Mass. Inst. of Tech. 1895-96; Resident House Officer, 1900-01; Fellow in Pathol. 1901-02.—Resident Physician, Babies' Hosp. N. Y.

Glanville Yeisley Rusk, A. B. 1896; Resident House Officer, 1900-01; Asst. Physician, Sheppard and Pratt Hosp. Asst. in Psychiatry and Clinical Asst. in Neurology, 1902-03.—Path. Institute, Ward's Island, N. Y.

Florence Rena Sabin, S. B. Smith 1893, and Asst. in Zoology, 1895-96; Resident House Officer, 1900-01; Holder of Woman's Fellowship in Anatomy, 1901-02; Asst. Instr. and Assoc. in Anatomy, 1902-05.—Associate Professor of Anatomy.

William Francis Mattingly Sowers, A. B. Princeton 1896; Resident House Officer, and Asst. Resident Surgeon, 1900-05.—Resident Surgeon; Asst. Surgery.

Ellen Appleton Stone, A. B. Radcliffe 1895; A. M. Brown 1896; Interne, Hosp. for Women and Children, Syracuse, 1901-02; Resident Physician, Children's Hosp. Buffalo, 1902-03.—Med. Inspector of Public Schools, and Physician, Providence, R. I.

Mortimer Warren, A. B. Bowdoin 1896; Externe, City Hosp. Boston, 1900-01.—Asst. in Clin. Pathol. Cornell Med. Sch. and Physician, New York.

Paul Gerhardt Woolley, S. B. Chicago 1896; Resident House Officer, 1900-01; Fellow in Pathol. McGill, 1901-02. — Pathologist, Biol. Lab. U. S. A., Manila, P. I. (44)

1901

*Alexander Montague Atherton, A. B. Wesleyan 1897; Resident Physician, Charity Hosp. Blackwell's Island, 1901-02; Physician, Honolulu, H. I.

Frederick Henry Baetjer, A. B. 1897; Resident House Officer, 1901-02.—Assoc. and Asst. Resident Surgeon in charge of Actinographic Dept.

William Dwight Baldwin, A. B. Yale 1897; Clinical Asst. in Medicine, 1901-02; House Physician, St. Luke's Hosp. N. Y. 1903-04.—Physician, Honolulu, Hawaii.

John McWilliams Berry, S. B. Cornell 1897; Resident House Officer, 1901-02.—Physician, Troy, N. Y.

Walter Herbert Blakeslee, A. B. Amherst 1897, and A. M. 1903; Asst. Resident Physician, N. Y. Lying-in Hospital (6 months).—Asst. Med. Examiner, Penn. R. R. Relief Dept. Philadelphia.

Horace Dechamps Bloombergh, A. B. Lafayette 1897; First Lieut. and Asst. Surgeon, U. S. A., Ford Bayard 1901-03.—1st Lt. and Asst. Surg. U. S. A. and Pathologist, Division Hosp. Manila, P. I.

Thomas Richmond Boggs, S. B. Univ. of Georgia, 1896, and Grad. Student, 1896-97; Resident House Officer, 1901-02; Acting Asst. Resident Physician, 1902-03; Asst. in Med. in charge of Med. Bact. Lab. 1904-05.—Asst. Resident Physician in charge of Clin. Lab. and Assoc. in Medicine.

John Robert Bosley, A. B. Western Md. 1896, and A. M. 1903; Grad. Student 1896-97.—First Lieut. and Asst. Surg. U. S. A. Ft. Egbert, Alaska.

Charles Henry Bunting, S. B. Wisconsin 1896, and Fellow, 1896-97; Resident House Officer, 1901-02; Asst. Demonstrator of Pathol. Univ. of Pa. 1902-03; Instr. and Assoc., 1903-06.—Prof. Pathol. Univ. of Va.

Joel Ives Butler, Ph. B. Yale 1897; Acting Resident House Officer, 1901-02; Externe in Surg. Path. and Asst. in Anatomy, 1902-03; Clinical Asst. in G.-U. Surg. 1903-04; House Surgeon, Mass. Genl. Hosp., Boston, 1904-05.—Med. Referee, Mut. Life. Ins. Co. of N. Y. and Physician, Springfield, Mass.

Harry Wardell Carey, A. B. Yale 1897; Asst. in Pathol. Bender Hygienic Lab. Albany, 1901-03.— Instr. in Surg. Pathol. Albany Med. Sch. and Dermatologist and Pathologist to the Samaritan Hosp. Troy, N. Y.

Eleanor Sarah Chace, S. B. Wellesley 1894; Interne, Worcester Memorial Hosp. 1902.—Physician, Fall River, Mass.

Robert Thornton Comer, A. B. Univ. of Alabama 1896; Grad. Student, 1896-97. — Physician, Birmingham, Ala.

Guy Leartus Connor, A. B. Williams 1897.—Physician, Detroit, Mich.

Ray Connor, A. B. Williams 1897; House Surgeon, Manhattan Eye and Ear Hospital N. Y. 1902-03.—Asst. Ophthalmologist, Children's Free Hosp. and Physician, Detroit, Mich.

George Silas Drake, Jr. A. B. Yale 1897; Resident Physician, Union Protestant Infirmary, Balt. 1902.—Physician, St. Louis.

Adelaide Dutcher, S. B. Wisconsin 1897; Asst. Obstetrician, Hosp. for Women and Children, and Physician, Syracuse, N. Y.

Harry Atwood Fowler, S. B. Minnesota 1895; Resident House Officer, 1901-92; Clin. Asst. in Genito-Urinary Diseases, 1902-03.—Assoc. in Skin and Venereal Diseases, Eastern Disp. and Casualty Hosp. and Physician, Washington, D. C.

Frederick Parker Gay, A. B. Harvard 1897; Fellow, Rockefeller Inst. for Med. Research; Asst. Demonstrator of Path. Univ. of Penna. 1901-03.—Student, Institut Pasteur, Brussels.

Neil Duncan Graham, A. B. 1897.—Asst. Prof. of Obstetrics and Gynecol. Howard Univ. and Physician, Washington, D. C.

Gardner Wells Hall, A. B. Harvard 1898; Clinical Asst. in Medicine, 1901-02.—Physician, Boston.

Louis Virgil Hamman, A. B. Rock Hill 1896; Grad. Student, 1896-97; House Physician, New York Hosp. 1902-03.—Asst. Attend. Physician, City Asylum, Bay View; Clin. Asst. and Instr. in Med., and Physician, Balt.

Rolland Frederick Hastreiter, S. B. Wisconsin 1897; Resident House Officer and Clinical Asst. in Obstetrics, 1901-02; Asst. in Anat. Wis. Coll. of P. & S. 1903-04.—Physician, Los Angeles, Cal.

Joseph Henry Hathaway, A. B. Iowa Coll. 1894; A. B. Harvard 1896, and A. M. 1897; Resident House Officer, 1901-02; Resident Physician, The Glen Springs, Watkins, N. Y., 1902-03. — Resident Physician, Boston Free Hosp. for Women.

James Morley Hitzrot, A. B. Princeton 1897; Resident House Officer, 1901-02; House Surgeon, New York Hosp. 1902-03.—Instr. in Surg. Cornell Univ.; Chief of Clinic, N. Y. Hosp. Out-Patient Dept.; Physician, N. Y. Training Sch.; Asst. Attend. Surg. Bellevue Hosp. Disp. and Physician, N. Y.

Gerry Rounds Holden, A. B. Yale 1897; House Surg. Roosevelt Hosp. 1902-03; Resident Gynecologist, and Asst. 1903-05.—Physician, Jacksonville, Fla.

Edward Hicks Hume, A. B. Yale 1897; John W. Garrett International Fellow, Univ. Coll. Liverpool, 1901-02; Third Asst. Surg. and Clinical Asst. in Medicine, 1902-

1903.—Act. Asst. Surg. U. S. Public Health and Marine Hosp. Service, and Research Worker, Government Laboratory, Parel, Bombay, India.

William Bernard Johnston, A. B. Harvard 1897; Asst. Resident Pathologist, 1901-02.—Physician, Washington, D. C.

Harry M. Kaufman, A. B. 1897; Resident Physician, Jewish Hosp. Philadelphia, 1901-02.—Consult. Physician, German Orphan Asylum; Externe, Emergency Hosp.; Demonstrator in Pathol. and Bacteriol., Columbian Med. Sch. and Physician, Washington, D. C.

Theodore Lamson, Ph. D. Yale 1897; Asst. Resident Physician, Barnes Hosp. Washington, 1901-02.—First Lieut. and Asst. Surg. U. S. A. Manila, P. I.

Dwight Milton Lewis, A. B. Yale 1897; Medical House Officer, City Hosp. Boston, 1901-02.—Asst. in Med. Clinic, New Haven Disp. and Yale Med. Sch. and Physician, New Haven, Conn.

Warfield Theobald Longcope, A. B. 1897; Resident Pathologist, Penna. Hosp. 1901-03.—Director, Ayer Clinical Lab. Penna. Hosp. Philadelphia.

William Harvey Maddren, S. B. Brooklyn Polytech. Inst. 1896; Grad. Student, 1896-97.—Asst. Visiting Surg. King's County, Coney Island and Bradford St. Hospitals, and Physician, Brooklyn.

Elizabeth Sutton Moore, S. B. Wilson Coll. (Pa.) 1895; Grad. Student, Cornell, 1896-97; Interne, New England Hosp. Boston, 1901-02.—Pathologist, Passavant Hosp. and Physician, Pittsburg.

Henry Pickering Parker, A. B. 1896; Demonstrator of Pathol. and Bacteriol. Western Reserve Univ., 1901-02; Resident Pathologist, Lakeside Hosp. 1902-03; Interne, Union Protestant Infirmary, Balt. 1903-04.—Clinical Asst. in Med.; Resident Physician, Robert Garrett Hosp. for Children.

Maurice J. Rubel, S. B. Chicago 1897; Resident House Officer, 1901-02.—Physician, Chicago.

John Cleveland Salter, A. B. Yale 1897; House Physician, St. Luke's Hosp. N. Y. 1901-02; Resident Physician, N. Y. Lying-in Hosp. 1903-04.—Instr. in Med. Washington Univ. Clin. Asst. Wash. Univ. Hosp. and Physician, St. Louis.

Mabel Palmer Simis (Mrs. H. L. Ulrich), S. B. Cornell 1897.—Physician, Minneapolis, Minn.

Josiah Morris Siemons, A. B. 1897; Resident House Officer and Clinical Asst. 1901-02; Asst., Asst. Resident, and Resident Obstetrician, 1902-04, Instr. in Obstetrics, 1904-05.—Assoc.; Physician, Balt.

Herbert Meloy Smith, A. B. Roanoke 1892, and A. M. 1897; Grad. Student, 1894-95.—First Lieut. and Asst. Surgeon, U. S. A. Manila, P. I.

Charles Nelson Spratt, S. B. Minnesota 1897; Resident House Officer, 1901-02; House Surgeon, New York Eye and Ear Infirmary, 1902-03; House Surg. Mass. Charitable Eye and Ear Infirmary, Boston, 1903-05.—Attend. Ophthalmologist and Otologist, City Hosp. and Asbury M. E. Hosp. Disp. and Physician, Minneapolis, Minn.

Albert Louis Steinfeld, A. B. 1897; Director, Histol. and Path. Lab. and Resident Physician, Lucas Co. Hosp., Toledo, 1901-02; Prof. of Histol. and Pathol., Toledo Med. Coll. 1903-04.—Physician, Toledo, O.

Carlotta Mary Swett, A. B. Wellesley 1896; Grad. Student, Maine State Coll. 1896; Interne, New England Hosp. Boston, 1901-02.—Physician, Bangor, Me.

Henry Ludwig Ulrich, S. B. Rutgers 1897; Prof. of Pathol. and Histol. Univ. of Dallas, Texas, 1901-02; Pathologist, Swedish Hosp. Instr. Clin. Microscopy, Univ. of Minnesota, and Physician, Minneapolis.

Albert James Underhill, A. B. 1897.—Clinical Asst. Surgery; Physician, Baltimore.

Marian Bartholow Walker (Mrs. Marian Walker Williams), A. B. Radcliffe 1898.—Physician, Hartford, Conn.

Louis Marshall Warfield, A. B. 1897; Resident House Officer, 1901-02.—Medical Referee, Mutual Life Insurance Co., Instr. Clin. Microscopy, Washington Univ. Med. Sch. Pathologist, Bethesda Hosp. and Physician, St. Louis, Mo.

George William Warren, A. B. 1897.—Physician, New York.

Stephen Hurt Watts, A. M. Randolph-Macon 1896; Student, Univ. of Virginia, 1896-97; Resident House Officer, 1901-02.—Asst. Resident Surgeon.

Ernest Alden Wells, A. B. Yale 1897; House Surgeon, New York Hosp. 1901-02.—Med. Exam. Conn. Mut. Life Ins. N. Y. Life Ins. Travelers Ins. and Md. Casualty Co.; Assoc. Med. Director, Aetna Life Ins. Co.; Member, Board of Physicians, Hartford Orphan Asylum; Asst. Pathologist and Bacteriol. to Hartford Hosp. and Physician, Hartford, Conn.

Mabel Wells, A. B. Wellesley 1896; Student, Zürich, 1897.—Med. Exam. Roland Park and Arundell Schools, Baltimore.

John Montgomery West, A. B. 1896.—Student, Berlin.

Charles Knickerbacker Winne, Jr. A. B. 1897; Externe, 1901-02; Acting Resident House Officer; Asst. Res. Physician, Thos. Wilson Sanitarium, 1902-03; Asst. Bender Hygienic Lab., Albany, 1903-05.—Instr. Bacteriol. Materia Medica and

Therapeutics, Albany Med. Coll.; Med. Referee, Mut. Life Ins. Co. of N. Y.; Physician, Albany. (53)

1902

John Auer, S. B. Michigan 1898; Resident House Officer, 1902-03.—Research Fellow of the Rockefeller Institute and Physician, N. Y.

John Bradford Briggs, Jr. S. B. New York Univ. 1898; Resident House Officer, 1902-03; Asst. in Medicine, 1903-04.—Asst. in Physiol. Georgetown Univ. and Physician, Washington, D. C.

Bennet Bernard Browne, Jr. A. B. 1898.—Clinical Asst. in Ophthalmology and Otology; Asst. Ophthalmologist, Balt. Eye, Ear and Throat Charity Hosp. and Physician, Baltimore.

Robert Martin Bruns, A. B. Univ. of Virginia 1896; Grad. Student, 1897-98; Asst. Resident Physician, Springfield State Hosp. Sykesville, Md., 1902-03.—Physician, Balt.

William Morgan Case Bryan, A. B. Washington Univ. 1897; M. S. Michigan 1898; Resident Physician, German Hosp. Philadelphia, 1902-04.—Instr. Clin. Microscopy and Chem. Med. Dept. St. Louis Univ.; Asst. in Otology, *ibid.*; Asst. in Ear, Nose and Throat Dept. Jewish Hosp Disp.; Asst. Editor, *The Laryngoscope*; Physician, St. Louis.

Camillus Bush, S. B. California 1898; Resident House Officer, 1902-03; Asst. Res. Surgeon, 1903-04.—Visit. Surg. St. Helena Sanitarium, Instr. Surg. Disp., Univ. of Cal. and Surgeon, San Francisco.

John Woolman Churchman, A. B. Princeton 1898, A. M. 1901; Resident House Officer, 1902-03.—Clinical Asst. in G.-U. Surgery, and Physician, Baltimore.

Thomas Wood Clarke, A. B. Harvard 1899; Resident House Officer, 1902-03.—Resident Physician, Lakeside Hosp. Cleveland.

Henry Wireman Cook, A. B. 1898; Resident House Officer, 1902-03; Visiting Physician, Senior Staff Memorial Hosp. Richmond, 1903-05. Physician, Minneapolis.

Jacob Jones Coons, S. B. Ohio Wesleyan 1898; Clinical Asst. in Medicine, Asst. Resident Surgeon, N. Y. Lying-in Hosp. 1902-03; Asst. Resident Surgeon, Kensington Hospital, Phila. 1903-04.—Asst. in Medicine, Ohio Med. Univ. Pathologist, Hawkes Hosp. of Mt. Carmel and Columbus Gen'l Hosp. and Physician, Columbus, O.

Gustavus Charles Dohme, A. B. 1898.—Assoc. Prof. of Chemistry, Maryland Med. Coll and Physician, Balt.

David Hough Dolley, A. B. Randolph-Macon 1897, and A. M. 1898; Resident Pathologist, St. Vincent's Charity Hosp. 1902-03.—Asst. Demonstrator of Pathol. West. Reserve Univ. and Resident Pathologist, Lakeside Hosp. Cleveland.

Ralph Duffy, A. B. 1898.—Pathologist, Western Penna Hosp. and Physician, Pittsburg.

John Dunlop, S. B. Princeton 1898; Externe in Surgery, 1902-03; Asst. Resident Surgeon, Union Prot. Infirmary, Balt. 1902-03, Asst. Res. Physician, 1903-04; Orthopedic House Officer, Carney Hosp. Boston, 1904-05.—Physician, Washington, D. C.

William Gage Erving, A. B. Yale 1898; Orthopedic House Surgeon, Carney Hosp. Boston, 1902-03.—Physician, Washington, D. C.

Newell Simmons Ferry, Ph. B. Yale 1898; Asst. Resident Surgeon, Barnes Hosp. Washington, 1902-03.—Director of Pathol. Lab. and Asst. in Medicine, Memphis, Hosp. Med. Coll. and Physician, Memphis, Tenn.

Nellis Barnes Foster, S. B. Amherst 1898; Resident Physician, New York Hosp. 1904-05.—Clin. Asst. in Applied Therapeutics, Coll. of P. and S.; Rockefeller Fellow in Physiol.—Chem. and Physician, New York.

William Willoughby Francis, A. B. 1898.—Resident House Physician, Royal Victoria Hosp. Montreal, 1902-04; Asst. in Pathology, 1904-05.—Univ. of Vienna.

Maurice Albert Frankenthal, A. B. Washington Univ. 1898.—Assoc. Visit. Physician, Jewish Hosp., Pathologist, Bethesda Homes, Asst. in Surg. Univ. Disp. and Physician, St. Louis.

W. Harry Glenny, Ph. B. Yale 1894.—Demonstr. in Pathol. Univ. of Buffalo, and Asst. Attend. Physician and Supervisor of Records, Buffalo Genl. Hosp., and Physician, Buffalo, N. Y.

Clarence Foster Hardy, B. L. Wisconsin 1891; Interne, Mercy Hosp., Pittsburgh (four months).—Instructor in Obstetrics, Wisc. Coll. P. and S. and Physician, Milwaukee.

Morrison LeRoy Haviland, Ph. B. Union Coll. 1898; Resident Surgeon, Society of the Lying-in Hosp. N. Y.; Resident House Officer, 1902-03.—Asst. Parks Hosp. and Physician, Glens Falls, N. Y.

Mabel Stevens Haynes, A. B. Bryn Mawr 1898.—Physician, Boston.

Leonard Keene Hirshberg, A. B. 1898.—Assoc. in Nervous Diseases and Instr. in Bacteriol. and Neuro-Path. Coll. of P. and S. Balt.; Chief of Nervous Clinic, City Hosp.; Visiting Physician, City Asylum, Bay View, and Physician, Balt.

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Carl Herman Horst, A. B. Stanford 1898; Resident House Officer, 1902-03; State Bacteriologist, Montana, 1904-05.—Physician, Butte, Mont.

Solomon Hyman, S. B. California 1898; Junior House Surgeon, Mount Sinai Hosp. N. Y. 1903-05.—Europe.

William Frederick Jelke, Ph. B. Yale 1898; Asst. Resident Surgeon, Lakeside Hosp. Cleveland, 1902-03.—Physician, Cincinnati.

Thomas Monroe Jones, A. B. Indiana Univ. 1898; Interne, King's Co. Hosp. Brooklyn, 1904-05.—Physician, Anderson, Ind.

Alfred Karsted, A. B. Stanford 1898; House Surgeon, German Hosp. N. Y. 1902-04.—Physician, Seattle, Wash.

Arthur Herbert Kimball, S. B. Amherst 1897, and A. M. 1903; Resident Physician, Eye, Ear and Throat Charity Hosp. Balt. 1902-03.—Visiting Oculist to the Gov'm'nt Hosp. for the Insane, Asst. in Ophthalmology. Episcopal Eye and Ear Hosp. and Physician, Washington, D. C.

Louis Charles Lehr, A. B. 1898; Clinical Asst. in G.-U. Surg. and Asst. in Gynecol. Dr. Kelly's Sanatorium, 1902-04.—Physician, Washington.

Edward McCrady L'Engle, A. B. St. John's 1897; Grad. Student, 1897-98; Asst. Resident Physician, Phila. Polyclinic Hosp. 1902-03.—Europe.

George Victor Litchfield, Jr. A. M. Randolph-Macon 1897; Surgeon to Lick Creek and Lake Erie R. R. and Dawson Coal and Coke Co. St. Paul, Va. 1902-03.—Physician, Abingdon, Va.

Emma Lootz (Mrs. W. G. Erving), A. B. Smith Coll. 1897.—Physician, Washington, D. C.

Seymour DeWitt Ludlum, S. B. Rutgers 1897; Clinical Asst. Sheppard and Pratt Hosp. Towson, 1902-03.—First Asst. Resident Physician, Friends' Asylum for the Insane, Frankford; Clin. Asst. in Neurol. Phila. Polyclinic; Pathologist, Frankford Gen. Hosp. Philadelphia.

Annie Galloway Lyle, A. B. Stanford 1895; Asst. Voluntär, Univ. of Vienna, 1902-03; Asst. in Children's Clinic, Univ. of Cal. 1904-05.—Physician, San Francisco.

George Malcolm MacGregor, S. B. Wisconsin, 1894. — Physician, Mondovi, Wis.

Samuel Andrew Marshall, A. B. Yale 1898; House Surgeon, House of Relief of N. Y. Hosp. 1902-03.—Externe, Hudson St. Hosp. and Physician, N. Y.

John Scott McFarland, Ph. B. Yale 1898.—Physician, Buffalo, N. Y.

Edmund Webster Meisenhelder, A. B. Penna. Coll. 1898; Harvard Summer School, 1898; Resident House Officer, 1902-03; Interne, Barnes Hosp. Washington, 1903-04; Resident Physician, Lakeside Hosp., Cleveland, 1904-05.—Physician, York, Pa.

John Elmer Meisenhelder, S. B. Penna. Coll. 1897; Grad. Student, 1897-98; House Surgeon, Moses Taylor Hosp. Scranton, 1903-04.—Resident Surgeon, Barnes Hosp. Washington, D. C.

*Henry William Ochsner, S. B. Wisconsin 1898; Resident House Officer, 1902-03.

Edward Hiram Reede, A. B. Cornell 1898.—First Resident Surgeon, St. Luke's Hosp. N. Y.

Edwin Nicholas Riggins, A. B. Williams 1897; Interne, Hudson St. Hosp. N. Y. 1903-04.—Physician, E. Orange, N. J.

Carey Pegram Rogers, A. B. Wake Forest, 1897; Grad. Student, 1897-98; Resident House Officer, 1902-03. —Med. Referee, Mut. Life Ins. Co. of N. Y. for Florida; Director and Surg. De Soto Sanitarium and Visiting Surg. St. Luke's Hosp.; Surg. Jacksonville, Fla.

Stephen Rushmore, A. B. Amherst 1897; Externe, 1902-03, Asst. Resident Gynecologist, 1903; House Physician, Hudson St. Hosp. N. Y. 1903-04; House Surgeon, St. Mary's Hosp. for Children, N. Y. 1904-05; Res. Gynecologist 1903-06; Asst. 1905-06.

George Barr Scholl, A. B. 1898; Externe, 1902-03.—Prof. of Pathol. Bacteriol. and Clin. Microscopy, Maryland Med. Coll., Pathologist to Franklin Sq. Hosp.; Health Officer, City Board of Health, and Physician, Baltimore.

Melville Silverberg, A. B. California 1897; Asst. in Physiol. Chem. Cooper Med. Coll. San Francisco, 1902-03; House Officer, City Hosp. Boston, 1903-04. — Physician, San Francisco.

John Nathan Simpson, A. B. Univ. of Nashville 1893.—Prof. of Physiology, West Virginia Univ. Morgantown.

Harry Merriman Steele, Ph. B. Yale 1894; Asst. in Pediatrics, Univ. and Bellevue Hosp. Med. Coll. N. Y. 1902-03.—Asst. in Pediatrics and Pathol. Yale Med. Sch. and Physician, New Haven.

Alice Weld Tallant, A. B. Smith Coll. 1897; Grad. Student, Mass. Inst. of Tech. 1897-98; Interne, New England Hosp. Roxbury, 1902-03; Med. Examiner for the Gymnasium, Bates Coll. 1903-05. — Asst. Physician, Disp. of the New Eng. Hosp. and Physician, Boston.

Condit Brewer Van Arsdall, A. B. Kentucky Wesleyan 1894, and A. M. 1898; A. B. Michigan 1898.—Physician, Harrodsburg, Ky.

John Van Denburgh, A. B. Stanford 1894, A. M. 1895, and Ph. D. 1897.—

Hon. Curator, Dept. of Herpetology, Cal. Acad. of Sciences; Act. Chief of Children's Clinic, San Fran. Polyclinic, 1902-03.—Visiting Physician, King's Daughters' Home for Incurables, Asst. Visit. Gynecol. St. Luke's Hosp., Surg. Telegraph Hill Neighborhood Assn. and Physician, San Francisco.

Otis Buckminster Wight, A. B. Stanford 1898; Resident House Officer, 1902-03.—Med. Referee, Mutual Life Ins. Co. of N. Y. and Physician, Portland, Ore.

Clara Louise Williams, S. B. California 1897, and M. S. 1898; Interne, St. Luke's Hosp. San Francisco, 1902-03.—Physician, Berkeley, Cal.

Dudley Willliams, A. B. 1897; Grad. Student 1897-98; Grad. Student (Pathol.), Harvard, 1902-03.—Clinical Asst. in Med. and Physician, Balt.

Charles Benjamin Wright, A. B. Univ. of North Dakota, 1898; Resident House Officer, 1902-03.—Clin. Instr. in Pediatrics, Univ. of Minn. and Physician, Minneapolis.

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Victor Hugo Bassett, A. B. Knox, 1896; Graduate Student, Universities of Wisconsin and Michigan, 1897-98; Instr. in Bacteriol. and Clin. Pathol. Northwestern Univ. 1903-04; Fellow in Pathology, 1904-05.—Prof. Pathol. Wisc. Coll. P. and S., Pathologist, Milwaukee Co. Hosp. and Germania Clin. Lab. Milwaukee.

Lewis Clyde Bixler, A. B. Lafayette 1899, and A. M. 1902; Resident House Officer, 1903-04.—Physician, Pittsburg.

Elisabeth Hedges Blauvelt, A. B. Bryn Mawr 1896; Interne, N. Y. Infirmary for Women and Children, 1903-05.—Physician, Roselle, N. J.

Clinton Ethelbert Brush, Jr. S. B. New York Univ. 1899; Resident House Officer, 1903-04; Asst. in Medicine, 1904-05.—Physician, Nashville, Tenn.

Joseph Albert Chatard, A. B. Loyola 1898; Graduate Student, 1898-99; Asst. Resident Physician, St. Joseph's Hospital, 1903-04.—Chief of Med. Clinic, Asst. in Med. and Physician, Balt.

George Edward Chinn, Jr. S. B. Central Coll. (Mo.) 1899; Clinical Asst. Sheppard and Pratt Hosp. Towson, 1903-04.—Physician, Norfolk, Va.

Alfred Hull Clark, A. B. Cornell 1899; House Surgeon, Hartford Hosp. Conn., 1903-05.—Med. Exam. Travelers' Ins. Co. and Conn. Gen'l Life Ins. Co. and Physician, Buffalo, N. Y.

William Burgess Cornell, A. B. Chicago 1899; Externe, 1903-05.—Clinical Asst. Sheppard and Pratt Hosp. Towson, Md.

Emma Grace Dewey, S. B. Wellesley 1885, and A. M. 1894; Graduate Student, Chicago, 1898-99; Interne, Babies' Hosp. N. Y.; Rockefeller Institute for Med. Research (Summer 1903).—Pathologist, Passavant Mem. Hosp. and Physician, Jacksonville, Ill.

Harlan Dudley, Ph. D. Oberlin 1897; Graduate Student, 1898.—Physician, Canton, O.

Dana Lee Eddy, A. B. Yale 1898.—Leavenworth, Kans.

Roades Fayerweather, A. B. Harvard 1899; Orthopedic House Surg. Carney Hosp. 1903-04.—Clin. Asst. in Orthopedic Surg. and Pathol.; Surgeon, Balt.

John Somerville Fischer, A. B. 1898, and Graduate Student, 1898-99; Asst. Resident Physician, St. Joseph's Hosp. 1903-04.—Chief Med. Clinic, St. Joseph's Hosp. Disp. and Physician, Balt.

Frederick Julius Gaensler, S. B. Wisconsin 1899; Grad. Student, Harvard, 1901.—House Surg. German Hosp. N. Y.

Lewis McFarland Gaines, A. B. and S. B. Hampden-Sidney 1898; Grad. Student, Univ. of Virginia, 1898-99; First Asst. Surgeon, R. I. Hosp. Providence, and House Physician, Providence Lying-in Hosp. (3 months), 1903-04; Med. Ex. Mutual Life Ins. Co. Wash. Life Ins. Co. and Surgeon, Atlanta, 1904-05.—Prof. of Anatomy and Physiol. Wake Forest Coll. Wake Forest, N. C.

John Timothy Geraghty, A. B. St. Thomas Coll. 1895; Ph. B. St. Paul Seminary 1897; Grad. Student, 1897-98; Resident House Officer, 1903-04.—Physician, Balt.; Asst. Surgery.

Francis Colquhoun Goldsborough, S. B. Princeton 1899; Interne in Obstetrics, 1903-04; Asst. Res. Gynecologist, 1904-05.—Resident Obstetrician; Instr. Obstetrics.

Justin Frank Grant, Ph. B. Yale 1898.—Asst. Prof. of Anatomy and Pathology, Univ. of W. Va. Morgantown.

Louis Wardlaw Haskell, Jr. A. B. 1899; Externe in Surgery, 1903-04.—Physician, N. Y.

Arthur Douglass Hirschfelder, S. B. California 1897; Student in Paris and Heidelberg, 1898-99; Resident House Officer, 1903-04; Asst. in Medicine, Cooper Med. Coll., Asst. Physician to City and County Hosp. and Physician, San Francisco, 1904-05.—Physician, Balt.; Instr. Medicine.

Ross Hopkins, A. B. and S. B. Campbell Univ. 1897; A. B. Kansas State Univ. 1899; Graduate Student, Chicago, 1899.—Physician, St. Louis.

Henry Talbot Hutchins, A. B. Amherst 1899; Resident House Officer, 1903-04.—Asst. Resident Gynecologist; Asst. Gynecology.

Clement Levi Jones, S. B. Washington and Jefferson 1899, and M. S.

1904.—Clin. Asst. Med. Starling Med. Sch., Pathologist, Hawkes Hosp. of Mt. Carmel and Columbus Gen'l Hosp. and Physician, Columbus, O.

Louise Tayler Jones, A. B. Wellesley 1896; M. S. Columbian 1898.—Attend. Physician, Nat. Florence Home, and Physician, Washington, D. C.

Albert Keidel, A. B. 1900.—Clinical Asst. in Medicine and Physician, Baltimore.

Maurice Lazenby, A. B. 1900; House Physician, Church Home and Infirmary, 1903-04.—Lecturer in Bacteriol. Woman's Med. Coll., Assoc. in Biol. Embryol. and Histol. Maryland Med. Coll. and Physician, Balt.

Arthur Solomon Loevenhart, S. B. Kentucky State Coll. 1898, and M. S. 1899; Asst. and Assoc., 1903-1904.—Assoc. Prof. Pharmacol., etc.

Henry D. Long, A. B. Washington and Jefferson 1894, and A. M. 1897; Cornell Univ. Summer School, 1897; Resident House Officer, 1903-04.—Asst. Surg. U. S. Public Health and M. Hosp. Service, Ellis Island, N. Y.

Margaret Long, A. B. Smith 1895; Grad. Student, Mass. Inst. Tech. 1896-97; Interne, N. Y. Infirmary for Women and Children, 1903-04.—Physician, Hingham, Mass.

Edward Janney Sidwell Lupton, S. B. Columbian 1899; First Asst. Resident Physician, Columbia Hosp. Washington, 1903-04. — Physician, Martinsburg, W. Va.

Leo Augustine Lynch, A. B. Yale 1899; Asst. House Surgeon, Society of the Lying-in Hosp. N. Y. 1903-04.—Interne, City Hosp. Blackwell's Island, N. Y.

William Sanders Manning, S. B. Columbian 1899; Clinical Asst. Emergency Hosp. Washington, 1903-04.—Physician, Jacksonville, Fla.

Watson Marshall, A. B. Princeton 1899.—Physician, Pittsburg.

Robert Talbott Miller, Jr. A. B. Amherst 1899; Resident House Officer, 1903-04.—Asst. Resident Surgeon.

Mary Elizabeth Morse, A. B. Woman's Coll. of Balt. 1899; House Officer, N. E. Hosp. for Women and Children, Boston, 1903-04; Resident Physician, Evening Disp. for Working Women, Balt., 1904-05.—Asst. Physician, East. Mich. Asylum for the Insane, Pontiac.

Willis Bean Moulton, A. B. Bowdoin 1899; Resident House Officer, 1903-04.—Instr. in Gynecol. Med. Sch. of Maine, and Physician, Portland.

Harry Benjamin Neagle, A. B. Bowdoin 1899.—Asst. Physician, The Loomis Sanatorium, Liberty, N. Y.

Selden Irwin Rainforth, S. B. Univ. of Cincinnati 1899, and A. M. 1900. —Senior House Surgeon, Presby. Hospital, N. Y.

Theodore Foster Riggs, A. B. Beloit 1898; Resident House Officer, 1903-04. — Resident Physician, Union Prot. Infirmary, Baltimore.

Benjamin Franklin Riley, Jr. S. B. Univ. of Georgia 1898.—Physician, Thomson, Ga.

George Canby Robinson, A. B. 1899.—Asst. Demonstrator of Anatomy, Cornell Univ. 1903-04. — Resident Pathologist, Penna. Hosp. Philadelphia.

Marvin Pierce Rucker, A. M. Randolph-Macon 1899; Virginia Med. Coll. 1899-1900. — Demonstrator in Physiology, Medical Coll. of Virginia; Junior Attendant in Internal Med. Memorial Hosp.; Prest. Board of Health, and Physician, Manchester, Va.

Ferdinand Schmitter, A. B. Union Coll. 1899; Instr. in Anatomy, Univ. of Wisconsin, 1903-05. — Contract Surg. U. S. A. Washington, D. C.

Oscar Theodore Schultz, A. B. Indiana Univ. 1897. — Pathologist, Charity Hosp. and Demonstr. of Pathol. and Proto-zoology, Western Reserve Univ. Cleveland.

Winford Henry Smith, A. B. Bowdoin 1899; Resident Gynecologist, Lakeside Hospital, Cleveland, 1903-05.—Asst. Res. Physician, Kingston Av. Hosp. for Contagious Diseases, Brooklyn, N. Y.

Alexander Raymond Stevens, A. B. 1896; Resident House Officer, 1903-04; Director of Analytical Lab. of Fraser & Co. N. Y. 1904-05.—Physician, Balt.

Catherine Hutchinson Travis, A. B. McGill 1895; Grad. Student, Harvard Summer Sch. 1899; House Officer, N. E. Hosp. for Women and Children, 1903-05. — Physician, New Britain, Conn.

Frank Hosford Watson, S. B. Wisconsin 1899; Resident House Officer, 1903-04.—Chief of Med. Clinic and Clin. Asst. Tulane Med. Coll., Visit. Physician, Charity Hosp., and Physician, New Orleans.

Charles Whittier Young, S. B. Univ. of Illinois 1897; Resident House Officer, 1903-04.—Med. Missionary, Pou-ting-fou, China. (49)

1904

Jay Harvey Bacon, S. B. Knox 1900; Pathologist, Lakeside Hospital, Cleveland, 1904-05.—Physician, Peoria, Ill.

Theodore Baker, A. B. Princeton 1900.—Physician, Pittsburgh.

Robert Bennett Bean, S. B. Va. Polytech. Inst. 1900; Assistant in Anatomy, 1904-05.—Instr. in Anat. Univ. of Mich. Ann Arbor.

Ruth Bennett (Mrs. Ruth Bennett Morgan), A. B. Univ. of Illinois 1899, and Graduate Student, 1899.—Med. Missionary, Hsu Chau-fu, Kiang-su Prov. China.

John McFarland Bergland, S. B. Princeton 1900; Interne in Obstetrics, 1904-05.—Asst. Res. Obstetrician; Asst. Obstetrics.

Maurice Buford Bonta, A. B. Ky. Wesleyan Coll. 1894; S. B. Michigan 1897; Resident House Officer, 1904-05. — Interne, Lakeside Hosp. Cleveland.

Walter Vernon Brem, Jr. S. B. Univ. of N. Carolina 1896; Med. Dept. 1898-1900; Resident House Officer, 1904-05.—Res. Physician, Isthmian Canal Commission, Panama.

Julius Alexander Caldwell, Jr. S. B. Univ. of N. Carolina, 1899, Med. Dept. 1899-1900, and Summer Sch. 1900; Resident House Officer, 1904-05.—Asst. Res. Gynecol.

John Robert Carr, A. B. Univ. of N. Carolina, 1899, Med. Dept. 1899-1900, and Summer Sch., 1900; Resident House Officer, 1904-05.—Asst. Res. Surg.

DeWitt Bellinger Casler, A. B. Yale 1900; Resident House Officer, 1904-05.—Asst. Res. Gynecol.

Ralph Torrey Edwards, A. B. Knox 1897, and A. M. 1899.—Physician, Warsaw, Ill.

Anfin Egdahl, S. B. Wisconsin 1900.—Instr. in Pathol. and Bacteriol. State Univ. of Iowa, Iowa City.

Harold Gould Garwood, S. B. Univ. of Colorado 1900, and Med. Dept. 1900-01; Resident House Officer, Minnequa Hosp. Pueblo, Colo. 1904-05.—Surg. Colo. Fuel and Iron Co. Madrid, N. M.

Herbert Ziegler Giffin, S. B. Princeton 1900; Resident House Officer, 1904-05.—Childs Hosp. Phila.

Harry Seliger Greenbaum, A. B. 1899; Univ. of Berlin, 1899-1900.—Physician. Baltimore.

Josephine Hemenway, A. B. Pritchett Coll. 1898; Bryn Mawr, 1899-1900; Resident House Officer, 1904-05.—Babies' Hosp. N. Y.

William Raphael Miles Kellogg, A. B. Adelbert 1898.—Resident Physician, Seattle Gen. Hosp. and Physician, Seattle, Wash.

Kenelm Julius Lee, S. B. Wisconsin 1900. — Physician, Fergus Falls, Minn.

John Marion Love, A. B. and B. L. Hampden-Sidney 1899; Grad. Student, 1899-1900.—Clin. Asst. in Ophthalmology, Balt. Eye, Ear and Throat Charity Hosp.

Wilfred Hamilton Manwaring, S. B. Michigan 1895, Summer Sch. 1896 and 1897; Univ. of Chicago, Summer Qrs. 1899-1903; Asst. in Pathol. Univ. of Chicago; Fellow, Rockefeller Inst. for Med. Research, 1904-05.—Assoc. Prof. Pathol. and Bacteriol. Indiana Univ.

Herman Weston Marshall, S. B. Mass. Institute Tech. 1897; Resident House Officer, 1904-05.—Physician, Brockton, Mass.

William Carpenter McCarty, S. B. Kentucky State Coll. 1900.—Student, Berlin.

Ernest Clare McGouldrick, A. B. Yale 1900. — Clin. Asst. Barnes Hosp. Washington, D. C.

Lorenzo Seymour Morgan, S. B. Knox 1900. — Medical Missionary, Hsu Chau-fu, Kiang-su Prov. China.

James Francis Morrison, A. B. Harvard 1900. — Resident Physician, Kings Co. Hosp. Brooklyn, N. Y.

Norman Oscar Nelson, S. B. Wisconsin 1900; Resident Physician, Monroe St. Hosp. Chicago, 1904-05.—Physician, Madison, Wis.

James Henry Randolph, A. B. Fla. State Coll. 1900; Clinical Asst. Sheppard and Enoch Pratt Hosp. Towson, 1904-05.—Asst. Physician, Fla. Hosp. for Insane, Chattahoochee.

Jewett Villeroy Reed, S. B. Kentucky State Coll. 1900; Resident House Officer, 1904-05.—Physician, Indianapolis, Ind.

Charles Mallory Remsen, A. B. 1899, and Grad. Student, 1899-1900; Resident House Officer, 1904-05.—Asst. Res. Physician.

William Gray Ricker, A. B. Yale 1900. —House Surgeon, Montreal Gen. Hosp. Montreal, Can.

Esther Rosencrantz, A. B. Leland Stanford Jr. 1899; Barnard Coll. 1899-1900.—Interne, N. Y. Infirmary for Women and Children.

Ernest Sachs, A. B. Harvard 1900.—Interne, Mount Sinai Hosp. N. Y.

Orville Hickock Schell, A. B. Yale 1900.—Interne, Mount Sinai Hosp. N. Y.

Harry Russel Stone, Ph. B. Wesleyan Univ. 1899.—Interne, Hudson St. Hosp. New York.

Henry John Storrs, A. B. Amherst 1899.—Interne in Obstetrics.

George Lane Taneyhill, Jr. A. B. 1900; Externe, 1904-05.—Clin. Asst. and Asst. in Med. and Physician, Balt.

Benjamin Taylor Terry, A. B. Vanderbilt 1898, and A. M. 1900; Univ. Chicago, Summer Qr. 1900; Fellow in Pathol. Univ. of Chicago, 1904-05. —Univ. of Mich. Ann Arbor.

William Lawton Thompson, A. B. Rowdoin 1899; House Surgeon, City Hosp. Worcester, 1904-05. — Surg. Soc. Lying-in Hosp. N. Y.

George Thomas Tyler, Jr. A. B. Randolph-Macon 1896, and A. M. 1897; late Asst. Phys. Union Protest. Infirmary.

William Jerome Vogeler, A. B. Yale 1900.—Resident Physician, St. John Riverside Hosp. Yonkers. N. Y.

Robert Glendenning Washburn, S. B. Wisconsin 1900; Wisc. Coll. P. & S. 1900-01.—Assoc. in Anat. Wisc. Coll. P. and S. and Physician, Milwaukee.

Louis Schneider Weaver, A. B. Penna.

Coll. 1899, and Yale, 1900.—House Physician, Rhode Island Gen. Hosp. Providence.
John Scott Willock, S. B. Princeton 1900; Resident Physician, Allegheny Gen. Hosp. 1904-05.—Physician, Allegheny, Pa.
Walter Scott Wilson, A. B. N. Ga. Agricult. Coll. 1880; A. M. Univ. of Ga. 1884; Grad. Student, 1893-94, and Univ. of Chicago, 1896-97.—Physician, Savannah, Ga.
Winfred Wilson, A. B. Weatherford Coll. 1900. — Prof. of Anat. Med. Coll. and Physician, Ft. Worth, Texas. (45)

1905

Ronald Taylor Abercrombie, A. B. 1901.—Director of the Gymnasium; Resident Physician, Church Home and Infirmary, Baltimore.
Clarence Allen Baer, B. L. Wisconsin 1900, and S. B. 1901.—Student, St. Louis Hospital, Paris.
Leon Kahn Baldauf, A. B. 1901.—Asst. in Bender Hygienic Laboratory, Albany, N. Y.
Alice May Ballou, Ph. B. Brown, 1900, and A. M. 1901.—Interne, New England Hospital. Roxbury, Mass.
Khleber Heberden Beall, S. B. and M. S. Univ. of Texas 1899; M. D. Fort Worth Univ. 1900.—Resident House Officer.
Bertram Moses Bernheim, A. B. 1901. —Europe.
Kosciusko Walker Constantine, A. B. 1901.—Student, Univ. of Vienna.
Calvin Duvall Cowles, Jr. A. B. Guilford Coll. 1900, and Univ. of North Carolina, 1901.—Interne in Obstetrics.
William Dick Cutter, A. B. Yale 1899; Student, Univ. of Bern, 1900.—Interne, French Hospital, New York.
Murray Snell Danforth, A. B. Bowdoin 1901.—Interne, Rhode Island General Hospital, Providence.
Otho Lee Dascombe, A. B. Bowdoin 1901.—Resident Physician, Waltham Hospital, Waltham, Mass.
Howard Irving Davenport, A. B. Hamilton 1901, and A. M. 1904.—Demonstrator of Bacteriology and Pathology, Syracuse Univ. Syracuse, N. Y.
Homer J. Davidson, S. B. Wabash 1899.—Resident Physician, Seattle General Hospital, Seattle, Wash.
Solon Arthur Dodds, Ph. B. Wesleyan 1901.—Interne in Obstetrics.
Charles Edward Dowman, Jr. A. B. Emory 1901; Student, Vanderbilt, 1901.—Student, Univ. of Berlin.
John Augustine English Eyster, S. B. Maryland Agricultural Coll. 1899; Graduate Student, 1899-1901, Fellow, 1905.—Instr. Physiology.
Clifton Maupin Faris, A. B. Stanford 1900.—Resident House Officer.
Frederick Reynolds Ford, S. B. Colgate Univ. 1901.—Resident House Officer.
Allen Wier Freeman, S. B. Richmond Coll. 1899; Graduate Student, 1900-01.—Resident Physician, City Hospital, Newark, N. J.
Philip Kingsnorth Gilman, A. B. Stanford 1901.—Assistant in Operative Surgery.
Sarah Mabel Grier, A. B. Bucknell 1901, and A. M. 1904.—Resident Physician, Syracuse, N. Y.
Edith Hale, A. B. Radcliffe 1901.—Interne, New England Hospital, Roxbury, Mass.
Francis Jenks Hall, A. B. Yale 1899.—Interne, Methodist Episcopal Hospital, Philadelphia.
Julius Theodore Haller, S. B. Chicago 1901.—Davenport, Ia.
Helen Hempstead, A. B. Allegheny Coll. 1900; Cornell 1900-01.—Interne, New York Infirmary for Women and Children.
Norval Thomas Hepburn, A. B. Randolph-Macon 1900, and A. M. 1901.—Interne, Hartford Hospital, Hartford, Conn.
Reuben Paul Higgins, A. B. Cornell 1902, and Medical Dept. 1900-02.—Physician, Cortland, N. Y.
Donald Russell Hooker, A. B. Yale 1899, and M. S. 1901.—Asst. Physiology.
Henry Spencer Houghton, Ph. B. Ohio State Univ. 1901.—Fellow, Rockefeller Institute for Med. Research, New York.
Henry Marshall Lankford, A. B. Western Maryland Coll. 1901, and A. M. 1905. — Physician, Princess Anne, Md.
George Bilton Lawson, A. M. Randolph-Macon 1899.—Resident Physician, Kings Co. Hospital, Brooklyn, N. Y.
Eugene Joseph Leopold, A. B. 1901.—Student, Univ. of Berlin.
David Marine, A. B. Western Maryland Coll. 1900; Graduate Student, 1900-01.—Resident Physician, Lakeside Hospital, Cleveland.
Henry Augustus Martelle, A. B. Bowdoin 1901.—Interne, Hartford Hospital, Hartford, Conn.
Archibald Leete McDonald, A. B. Univ. of North Dakota 1901.—Instr. in Anatomy and Physiology, Univ. of North Dakota, Grand Forks.
Arthur William Meyer, A. B. Wisconsin 1898.—Instr. Anatomy.
William Lorenzo Moss, S. B. Univ. of Georgia 1901.—Resident House Officer.
Eugene Bishop Mumford, S. B. Wisconsin 1901.—Interne, Gouverneur's Hosp., N. Y.
James Edgar Paullin, Jr. A. B. Mercer Univ. 1900, and Graduate Student, 1900-01.—Interne, Rhode Island General Hospital, Providence.
George Edward Rehberger, A. B. 1901.—Physician, Baltimore.
Lawrence Joseph Rhea, S. B. Texas 1901.—Interne, City Hosp., Boston. (*Degree conferred February* 22, 1906.)
Edward Henderson Richardson, A. B. Hampden-Sidney 1900; Graduate Student, 1900-01.—Resident House Officer.

Charles Ricksher, S. B. Parsons Coll. (Ia.) 1901. — Resident Physician, Sheppard and Enoch Pratt Hospital, Towson, Md.
Martin Phillip Rindlaub, Jr. B. L. Wisconsin, 1896; Chicago, 1897 and 1900; Univ. of Berlin, 1900-01.—Oculist, Fargo, N. D.
Frank Peyton Rous, A. B. 1900.—Resident House Officer.
Oscar Menderson Schloss, S. B. Alabama Polytechnic 1901.—Resident Physician, Kings Co. Hospital, Brooklyn, N. Y.
Robert Barnard Slocum, Ph. B. Rochester 1900, and Graduate Student, 1900-01.—Resident House Officer.
Lewis Frederic Smead, A. B. Wooster Univ. 1901; Summer School, Wisconsin 1901.—Asst. Resident Physician, Union Protestant Infirmary, Baltimore.
Charles Walter Stone, A. B. Washington and Jefferson 1901, and A. M. 1904.—Interne, Lakeside Hospital, Cleveland.
Caroline Benson Towles, A. B. Woman's College, Balt. 1893.—Student, Univ. of Prague.
Douglas Vander Hoof, B. L. Dartmouth 1901.—Resident House Officer.
George Hoyt Whipple, A. B. Yale 1900.—Instr. Pathology.
Harry Isaac Wiel, A. B. Stanford 1900; Harvard, 1901. — Resident House Officer.
Hiram LaMont Youtz, Ph. B. Brown 1900, and A. M. 1901.—Physician, Bolivia, S. A. (53)

MASTER OF ARTS (HONORARY)

1902

William Thomas Councilman, M. D. —Prof. of Pathol. Anatomy, Harvard.
Benjamin Ives Gilman, A. B., Curator, Museum of Fine Arts, Boston.
John M. Glenn, A. M.—Pres. Board of Supervisors of City Charities, Balt.; Lecturer on Public Aid, etc.
Clayton Colman Hall, LL. B., Attorney at Law and Consulting Actuary, Balt.; Lecturer on Insurance.
Theodore Marburg, Balt.; Member of the Board of Trustees.
William L. Marbury.—Atty. at Law, Balt.
Robert Lee Randolph, M. D., Assoc. Prof. of Ophthalmology and Otology.
Lawrason Riggs, A. B., LL. B.—Atty. at Law, Balt.
Henry M. Thomas, M. D.—Clinical Prof. of Neurology.
Julian LeRoy White, A. M.—Baltimore.

BACHELOR OF ARTS

(When the institution is not named, this university or the Johns Hopkins Hospital is to be understood. (F) indicates that the person has held a fellowship here. *Died.)

1879

George Washington McCreary.—Asst. Sec. and Librarian, Md. Hist. Soc. Balt.
Chase Palmer, (F), Ph. D. 1882; Asst. Mass. Inst. Tech. 1882-83, Tufts Coll. 1887-88; Prof. Mass. Norm. Sch. Salem, 1883-87, Wabash Coll. 1888-90, Manual Train. Sch., Louisville 1896-1901, Central Univ. Ky. 1901-05.—Prof. Chem. Ky. State Coll. Lexington.
Edward Henry Spieker, (F), Ph. D. 1882.—Assoc. Prof. Greek and Latin. (3)

1880

Rev. Thomas Milton Beadenkopf, B. D. Yale 1885.—Clergyman, Balt.
Allen Kerr Bond, M. D. Univ. of Md. 1882.—Physician, Balt.
*William Cathcart Day, (F), Ph. D. 1883; Prof. Chem. St. John's 1883-84, Univ. of Nashville 1884-87, Swarthmore 1887-1901. *August* 5, 1905.
Henry Laurence Gantt, M. E. Stevens 1884.—Mechan. Eng. Schenectady, N. Y.
Edgar Goodman, LL. B. Univ. of Md. 1881.—Editor *Balt. American.*
Rev. Carl Eckhardt Grammer, Va. Theol. Sem. 1884; S. T. D. Trinity 1895; Prof. Va. Theol. Sem. 1887-97.—Clergyman, Philadelphia.
Alexander Fridge Jamieson.—Latin Master, Lawrenceville School, N. J.
*Edmund Allen Jarvis. *October* 15, 1880.
Stewart Brian Linthicum, LL. B. Univ. of Md. 1882.—Atty. at Law, Portland, Ore.
John Hanson Lowe, LL. B. Univ. of Md. 1882.—Atty. at Law, Balt.
Rev. Leigh Clinton Morgan.—Clergyman, N. Y.
*Nelson Palmer. *June* 12, 1886.
Thomas Pettigrew.—Civil Engineer.
Harry Fielding Reid, (F), Ph. D. 1885; Prof. Case School 1886-94; Assoc. Prof. Chicago 1895-97.—Prof. Geol. Physics.

*Wilts Raymond Stricklen. **December* 19, 1900.
Lewis Webb Wilhelm, (F), Ph. D. 1884.—Vice-Prin. College Prep. Sch. Baltimore. (16)

1881

William Wilson Baden, (F), LL. B. Univ. of Md. 1883; Ph. D. 1892; Prof. Southwestern Univ. 1892-93, Central (Ky.) 1893-96.—Prof. Greek and Latin, Idaho Univ. Moscow.
Henry Johns Bowdoin, LL. B. Univ. of Md. 1883.—Baltimore.
John Wilson Brown.—Philadelphia.
David Talbot Day, (F), Ph. D. 1884. —U. S. Geol. Survey, Washington.
William Henry Howell, (F), Ph. D. 1884; Mich. (Hon. M. D. 1890, Lecturer and Prof. 1889-92); LL. D. Trinity 1901; Assoc. Prof. Harvard 1892-93.—Prof. Physiol. and Dean, Med. Faculty.
John Hemsley Johnson, LL. B. Univ. of Md. 1887.—Atty. at Law, Balt.
*James Edward Keeler, D. Sc. Cal. 1893; Fellow Royal Astron. Soc. London; Allegheny Observ. 1882-86; Lick Observ. 1886-91; Rumford Medalist, Amer. Acad. Arts and Sci. 1898; Prof. Western Univ. of Pa. and Director, Allegheny Observ. 1891-98; Director, Lick Observ. 1898-1900. **August* 12, 1900.
Rev. Edwin George Richardson.
*Adoniram Judson Robinson, LL. B. Univ. of Md. 1885; Instr. Balt. City Coll. 1881-87. **November* 23, 1904.
*Henry Rolando, M. D. Univ. of Md. 1883. **October* 4, 1888.
Lee Sale, LL. B. Wash. Univ. 1885; Instr. Louisville High School 1881-83.—Atty. at Law, St. Louis; Lecturer, Wash. Univ.
Mactier Warfield, M. D. Univ. of Md. 1884.—Physician, Balt.; Instr. Laryngology. (12)

1882

William Hughlett Adkins, LL. B. Univ. of Md. 1883.—Atty. at Law, Easton, Md.
Thomas Alexis Berry.—Baltimore.
Gustav Bissing, (F), Ph. D. 1885; Examiner, U. S. Patent Office, 1884-97.—Patent Atty. Washington.
Walter Bernard Clarkson, Lecturer and Asst. Prof. Law, Yale, 1901-03. —Atty. at Law, Jacksonville, Fla.
Herman Louis Ebeling, (F), Ph. D. 1891; Prof. Miami Univ. 1891-99; Instr. and Acting Prof. Haverford 1901-03. — Asst. Prof. Greek and Latin, Hamilton, Clinton, N. Y.
Louis Garthe.—Journalist, Wash.
Edward Ingle.—Editor, Balt.
*Richard Fuller Kimball, LL. B. Univ. of Md. 1884. **January* 1, 1905.
*Gustav Adolph Liebig, Jr. (F), Ph. D. 1885, Asst. 1887-90. **February* 10, 1897.
Charles William Emil Miller, (F), Ph. D. 1886.—Assoc. Prof. Greek.
James Page.—U. S. Hydrographic Office, Washington.
Albert Gallatin Palmer, (F), Ph. D. 1885; Asst. and Asst. Prof. Chem. Swarthmore 1885-87.—Norwood, Md.
Robert Miller Reese.—Dept. of Agric. Washington.
*Louis Tebbetts Stevens, (F), M. D. Harvard 1887; late Lecturer, Wash. Univ. **February* 9, 1898.
Herbert Thorndyke Tiffany, LL. B. Univ. of Md. 1885.—Atty. at Law, Balt. (15)

1883

William Shirley Bayley, (F), Ph. D. 1886; Prof. Colby 1888-1904.—U. S. Geol. Survey, S. Bethlehem, Pa.
Maurice Fels, LL. B. Univ. of Pa. 1886.—Atty. at Law, Philadelphia.
David Sterrett Gittings.—Baltimore.
William Beatty Harlan, LL. B. Univ. of Md. 1885; A. M. St. John's 1888. —Atty. at Law, Churchville, Md.
George Theophilus Kemp, (F), Ph. D. 1886; M. D. L. I. Med. Coll. 1891; Demonstr. Univ. of Pa. 1886-87; Assoc. and Assoc. Director, Hoagland Lab. 1888-93.—Prof. Physiol. Univ. of Ill. Champaign.
Gonzalez Lodge, (F), Ph. D. 1886; LL. D. Franklin and Marshall 1901; Prof. Davidson 1886-88, Bryn Mawr 1889-1900.—Prof. Latin and Greek, Teachers Coll. N. Y.
William Edgar Stratton, M. D. Harvard 1886.—Physician, Brooklyn.
Henry Winslow Williams, LL. B. Univ. of Md. 1885.—Atty. at Law, Balt.
Henry Van Peters Wilson, (F), Ph. D. 1888; Bruce Fellow 1888-89.—Prof. Biol. Univ. of N. C. Chapel Hill.
William John Witzenbacher.—Atty. at Law, Hagerstown, Md. (10)

1884

Rev. Albert Clayton Applegarth, Ph. D. 1887; LL. B. Univ. of Md.—Clergyman, Huntingdon, Pa.
Charles Walter Artz, LL. B. Columbia 1886.—Atty. at Law, N. Y.
Walter Bliss Canfield. — Chemist, Pittsburg.
George Gibson Carey, LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.
William Kennedy Cromwell.—Baltimore.
Charles William Remsberg Crum. M. D. Univ. of Md. 1888; Instr. Mercersburg 1884-86, 1889-90; Prof. Math. Ursinus 1892-95.—Physician, Jefferson, Md.
Harry Friedenwald, M. D. Phys. and Surg. (Balt.) 1886. — Physician, Balt.; Prof. Ophthalmol. etc. Coll. of P. and S.
Rev. William Lindsay Glenn, LL. B. Univ. of Md. 1888.—Clergyman, Emmorton, Md.

John Hinkley, LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.
Charles Morris Howard, LL. B. Univ. of Md. 1888.—Atty. at Law, Balt.; Prof. Balt. Law School.
*John Deering Lord, Jr. LL. B. Columbia, 1886. **January* 27, 1902.
Jere Williams Lord, M. D. Univ. of Pa. 1887.—Physician, Balt.; Clin. Prof. Dermatol.; Assoc. Prof. Anat. Balt. Med. Coll.
William Patrick Lyons. LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.
Edgar George Miller, Jr. LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.
William Ridgely Orndorff, (F), Ph. D. 1887.—Prof. Organ. Chem. Cornell.
George Dobbin Penniman, LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.; Prof. Balt. Univ. Law School.
William Henry Perkins, Jr. LL. B. Univ. of Md. 1888.—Atty. at Law, Balt.
*George Clement Stokes, Jr. LL. B. Univ. of Md. 1888. **January* 21, 1897.
*William John Thomas, Prof. Math. Western Md. Coll. 1884-85. **March* 9, 1885.
*William Ferdinand Walz. **March* 21, 1887.
Frederick Henry Wilkens, Ph. D. Leipsic 1891; Asst. Prof. Univ. of Wis. 1893-96, Union Univ. 1898-04.—Asst. Prof. German, New York Univ.
George Wishart Edmond (*extra ordinem*).—Santa Monica, Cal.
Charles Howard Shinn (*extra ordinem*). — Supervisor, N. Sierra Forest Reserve, North Fork, Cal. (23)

1885

John Pendleton Campbell, (F), Ph. D. 1888.—Prof. Biol. Univ. of Ga. Athens.
John Glenn, Jr. LL. B. Univ. of Md. 1887.—Atty. at Law, Balt.
Rt. Rev. Junius Moore Horner, S. T. B. Gen. Theol. Sem. N. Y. 1890.—P. E. Bishop of Asheville, N. C.
James Albert Loane.—Baltimore.
Harry Wilbur Price, LL. B. Columbian 1887.—Atty. at Law, Chicago.
Benjamin Titus Roberts, Jr.
Moses Roth Ryttenberg, LL. B. Univ. of Md. 1888.—Atty. at Law, N. Y.
Hugo Steiner, LL. B. Univ. of Md. 1887.—Atty. at Law, Balt.
Henry Hazlehurst Wiegand, Proficient in Elec. 1889.—Elec. Engineer, Balt. (9)

1886

Joseph Sweetman Ames, (F), Ph. D. 1890.—Prof. Physics.
Wilson Lloyd Bevan, S. T. B. Gen. Theol. Sem. N. Y. 1889; A. M. and Fellow, Columbia 1889; Ph. D. Munich 1893; late Prof. Hist., Univ. of the South.
Thomas Hepburn Buckler, M. D. Univ. of Md. 1888.—Physician, Balt.
Alfred Robert Louis Dohme, Ph. D. 1889.—Mfg. Chemist, Balt.; Instr. Pharmacy.
Albert Alvin Doub.—Atty. at Law, Cumberland, Md.
William Snyder Eichelberger, (F), Ph. D. 1891; Instr. Wesleyan 1891-96.—Prof. Math. U. S. Navy, Wash.
Harry English.—Instr. High School, Washington.
Abraham Flexner.—Louisville, Ky.
William Edward Gates.—Cleveland, Ohio.
*William Curns Lawrence Gorton, (F), Ph. D. 1889; Assoc. Prof. and Prof. Math. Woman's Coll. Balt. 1888-94. **November* 8, 1894.
Joseph Edward Harry, (F), Ph. D. 1889; Prof. Georgetown, Ky. 1889-1900.—Acting Pres. (1903-04), Dean, Acad. Dept., Prof. Greek, Univ. of Cincinnati.
Benjamin Henry Hartogensis.—Atty. at Law, Balt.
James Shaler Hodges, Profic. in Elec. 1890.—Elec. Engineer, Balt.
Theodore Hough, (F), Ph. D. 1893; Instr. and Asst. Prof. Mass. Inst. Tech. 1893-1903.—Assoc. Prof. Biol. Simmons Coll. Boston.
Percy Meredith Hughes.—Director of High Schools, Wash.
*John Henry Laessig, Jr. **December* 28, 1903.
Allan McLane, Jr. LL. B. Univ. of Md. 1888.—Atty. at Law, Balt.
John Hanson Thomas McPherson, (F), Ph. D. 1890; Instr. Univ. of Mich. 1890-91.—Prof. Hist. Univ. of Ga. Athens.
Colyer Meriwether, Ph. D. 1893.—Instr. English, etc. High School, Washington.
John Pleasants.—Baltimore.
Richard Hall Pleasants, Jr. LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.
*William Flood Smith, Coll. of P. and S. Balt. (M. D. 1889, late Assoc. Prof. Surg. Anat.). **April* 14, 1903.
Michael Daniel Stein.
Bernard Wiesenfeld, LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.
John Whitridge Williams, M. D. Univ. of Md. 1888. — Physician, Balt.; Obstetrician in Chief; Prof. Obstetrics.
Langdon Williams.—Teacher, Philadelphia.
*William Klapp Williams, Ph. D. 1889. **June* 4, 1897.
John Randolph Winslow, M. D. Univ. of Md. 1888.—Physician, Balt.
*Allan Chase Woods. **September* 9, 1886.
Frederick George Young, Vice-Pres. S. Dak. Normal School, 1888-91.—Prof. Econ. etc. Univ. of Oregon, Eugene.

*Thomas McCabe (*extra ordinem*), (F), Ph. D. 1888; Instr. Univ. of Mich. 1888-89; Prof. Ind. Univ. 1889-90; Assoc. Romance, Bryn Mawr 1890-91. **February* 22, 1891. (31)

1887

Rev. Edward Carey Applegarth, (F), Ph. D. 1890; M. D. P. and S. Balt. 1892.—Clergyman, Boston.

Richard Howard Bayard, LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.

Herbert Maxwell Brune, LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.

Charles Edward Coates, Jr. Ph. D. 1891; Prof. St. John's, 1891-93.—Prof. Chem. La. State Univ. Baton Rouge.

Rev. William Roswell Cole, B. D. Harvard 1890.—Clergyman, Cohasset, Mass.

Paul Joseph Dashiell, Ph. D. 1891; Instr. Lehigh 1889-92.—Prof. Chem. U. S. Naval Acad.

George Peter Dreyer, (F), Ph. D. 1890, Demonstr. Assoc., Assoc. Prof. 1890-1900.—Prof. Physiol. Med. Dept. Univ. of Ill. Chicago.

Edward Duffy, Jr. LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.

James Clark Fifield.—Atty. at Law, Minneapolis.

Julius Friedenwald, M. D. P. and S. Balt. 1890; A. M. Loyola 1898.—Physician, Balt.; Assoc. Prof. Path. Coll. of P. and S.

Douglas Huntly Gordon, LL. B. Univ. of Md. 1889.—Pres. Internat. Trust Co. Balt.

Jay Cæsar Guggenheimer, LL. B. Columbia 1891.—Atty. at Law, N. Y.

Charles Homer Haskins, Ph. D. 1890. Instr. 1889-90; Asst. Prof. and Prof. Univ. of Wis. 1890-1902.—Prof. Hist. Harvard.

George Lincoln Hendrickson, L. H. D. Western Reserve 1902; Prof. Colo. Coll. 1889-91, Univ. of Wis. 1891-96.—Prof. Latin, Univ. of Chicago.

Franz Otto Karl Hoffmann.—Berlin, Germany.

*Robert Milligan McLane, Jr. LL. B. Univ. of Md. 1891; State's Atty. Balt. 1899-1903; Mayor of Baltimore, 1903-04. **May* 30, 1904.

Robert William Rogers, Haverford (Ph. D. 1890, Instr. 1887-90); D. D. Wesleyan 1894; Ph. D. Leipsic 1895; Prof. Dickinson 1890-93.—Prof. Hebrew, Drew Theol. Sem. Madison, N. J.; Lecturer, Woman's Coll. Balt.

Henry Oliver Thompson, LL. B. Univ. of Md. 1890.—Atty. at Law, Balt.

Benjamin Tuska, Columbia (A. M. 1888, LL. B. 1889).—Atty. at Law, N. Y.

Rev. Robert William Henry Weech.—Clergyman, Walbrook, Balt.

*Edward William Willis, M. D. Univ. of Md. 1889. **August* 7, 1893.

Henry Firey Wingert.—Atty. at Law, Hagerstown, Md.

Walter Bell Scaife (*extra ordinem*), Ph. D. Vienna 1887.—Pittsburg.

Albert Henry Smyth (*extra ordinem*), Lecturer, 1899-1900. — Prof. English, Central High School, Phila. (24)

1888

Henry Harold Ballard, Ph. D. 1893; Instr. Chem. Rose Polytech. 1893-96.

Edward Ambrose Bechtel, (F), Chicago (Fellow 1897-98, Asst. and Assoc. 1898-02, Ph. D. 1900); Instr. Northwestern 1893-97.—Instr. Latin, Univ. of Chicago.

James William Black, Ph. D. 1891; Acting Prof. Georgetown, Ky. 1891-92; Assoc. Prof. Oberlin 1892-94.—Prof. Hist. Colby, Waterville, Me.

Charles Pliny Brigham, Ph. D. 1891. —Greenport, Long Island, N. Y.

*William Bromwell, Ph. D. 1895; Instr. Chem. Pratt Inst. Brooklyn, 1896-98. **September* 30, 1898.

*Hamilton McFarland Brown. **May* 8, 1892.

Arthur Lee Browne, Balt. Med. Coll. (M. D. 1901, Assoc. Prof. Chem.); Consulting Chemist, Balt.

Charles Hamilton Carey.—Baltimore.

John Broughton Daish, LL. B. Georgetown (D. C.) 1900.—Atty. at Law, Washington.

Rev. William Levering Devries, (F), Ph. D. 1892; S. T. B. Gen. Theol. Sem. N. Y. 1894.—Clergyman, Washington.

Gustav Edward Gieske, M. D. P. and S. (Balt.) 1891.—Catonsville, Md.

Raleigh Colston Gildersleeve.—Architect, N. Y.

Harris Hancock, Ph. D. Berlin 1894; D. Sc. Paris 1901; Asst. Instr. Assoc. Chicago 1892-1900. — Prof. Math. Univ. of Cincinnati.

Walter Jones, Ph. D. 1891; Acting Prof. Wittenberg 1891-92; Instr. and Prof. Purdue 1892-95.—Assoc. Prof. Physiol. Chem.

*William Augustine Jones, LL. B. Univ. of Ala. 1889. **February* 11, 1894.

Arthur Lincoln Lamb.—Science Master, Country School, Balt.

Charles Day Lanier.—Asst. Ed. *Review of Reviews*, N. Y.

John Bright Macauley.—Princ. Examiner, U. S. Patent Office, Wash.

*William Howard Miller, Instr. Math. Stanford 1891-93. **March* 2, 1893.

*George Neville Moore. **October* 29, 1889.

John Henry O'Donovan, M. D. Univ. of Md. 1891.—Baltimore.

Frank Eugene Reader. — Atty. at Law, New Brighton, Pa.

Louis Rettger.—Prof. Nat. Sci. Terre Haute Normal School, Ind.
David Ellsworth Roberts. — Asst. Chief, Div. of Prints, Library of Congress.
Lessing Rosenthal, LL. B. Northwestern 1891.—Atty. at Law, Chicago.
Charles Edmund Simon, M. D. Univ. of Md. 1890. — Physician, Balt.; Prof. Clin. Diagnosis, Md. Med. Coll.
Charles Kephart Swartz, (F), Ph. D. 1904; B. D. Oberlin, 1892; Fellow, Clark 1889-90.—Assoc. Geology and Paleontology.
Robert Melvin Tarleton, E. M. Lehigh 1895.—Mining Eng. N. Y.
Edward Lucas White, Asst. Dartmouth 1891-92. — Classical Instr. Boys' Latin School, Balt.
John White, Jr. (F), Ph. D. 1891; Asst. Cornell 1891-93; Prof. Univ. of Neb. 1893-03.—Prof. Chem. Rose Polytech. Terre Haute, Ind.
Westel Woodbury Willoughby, (F), Ph. D. 1891; Acting Asst. Prof. Stanford 1894-95. — Prof. Polit. Science.
William Franklin Willoughby, Lecturer 1900-01; Lecturer, Harvard 1900-01.—Treasurer of Porto Rico, San Juan.
Charles Hiram Chapman (*extra ordinem*), (F), Ph. D. 1890; Instr. and Assoc. 1889-92; Prest. Univ. of Oregon, 1893-99.—Woodland, Wash.
Charles Collier Holden (*extra ordinem*). — Instr. Romance Lang. West Va. Univ. Morgantown. (34)

1889

Adolph Bernhard, Chicago (Ph. D. 1894, Asst. Chem. 1893-98).—Stone Creek, O.
Hiram Horsburgh Bice.—Class. Instr. High School, N. Y.
John Sedgewick Billings, M. D. Univ. of Pa. 1892.—Physician, N. Y.
Walton Bolgiano M. D. Univ. of Pa. 1892.—Physician, Balt.
Theodore Cooke, Jr. M. D. Univ. of Md. 1891.—Physician, Balt.
Frank Barnum Culver.—New York.
*Richard Edward Edes, Harvard (M. D. 1895, Morgan Fellow 1889-91); Instr. Mass. Inst. Tech. 1892-93. **November* 25, 1901.
Daniel Nathan Eisendrath, M. D. Chicago Med. Coll. 1891.—Physician, and Adj. Prof. Surg. P. and S. Chicago.
Albert Bernhardt Faust, (F), Ph. D. 1892, Instr. 1894-96; Assoc. Prof. Wesleyan 1896-03; Asst. Prof. Univ. of Wis. 1903-04.—Asst. Prof. German, Cornell.
Charles Lee Fulton, LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.
Joseph Elliott Gilpin, Ph. D. 1892.——Assoc. Chemistry.
Ross Granville Harrison, (F), Ph. D. 1894, Bruce Fellow 1894; M. D. Bonn 1899; Lecturer, Bryn Mawr 1894-95.—Assoc. Prof. Anatomy.
George Newton Cressy Henschen.—Instr. High School, Harrisburg, Pa.
William Sadler Hilles.—Baltimore.
William Isaac Hull, Ph. D. 1892.—Prof. Hist. Swarthmore, Pa.
Harry Clary Jones, (F), Ph. D. 1892. —Prof. Phys. Chem.
George Charles Keidel, (F), Ph. D. 1895.—Assoc. Romance Lang.
*Jesse William Lazear, M. D. P. and S. (N. Y.) 1892; Asst. Clin. Micros. 1897-1900; Asst. Surg. U. S. A. 1900. **September* 25, 1900.
Alfred Mann, M. D. P. and S. (N. Y.) 1892.—Asst. Path. Univ. of Denver; Physician, Denver, Colo.
Charles Carroll Marden, Ph. D. 1894; Instr. Mich. 1890-91.—Prof. Spanish.
William Watson McCulloh, LL. B. Univ. of Md. 1892; M. D. Univ. of Pa. 1898.—Physician, Balt.
Philip Randle Moale, Ph. D. 1894.—Chemist, Asheville, N. C.
Waldo Newcomer.—Prest. Nat. Exchange Bank, Balt.; Member Board of Trustees.
Leonard Magruder Passano.—Instr. Math. Mass. Inst. Tech. Boston.
Arthur Jackson Patek, M. D. Univ. of Pa. 1892.—Physician, Milwaukee, Wis.
William Peters Reeves, Ph. D. 1893; Asst. Union 1895-97; Prof. Iowa Univ. 1897-1900.—Prof. English, Kenyon, Gambier, O.
Legh Wilber Reid, Princeton (M. S. 1896, Instr. 1893-1900); Ph. D. Göttingen 1899.—Assoc. Prof. Math. Haverford.
Ralph Robinson, LL. B. Univ. of Md. 1891.—Atty. at Law, Balt.
Brantz Mayer Roszel, (F), Ph. D. 1896; Instr. Physics, Wash. High School, 1896-1903. — Head Master, Gram. School, Sewanee, Tenn.
Rev. John George Sadtler, S. T. B. Gen. Theol. Sem. N. Y. 1893.—Clergyman, Balt.
Benjamin Bittinger Shreeves, LL. B. Univ. of Md. 1891.—Atty. at Law, Balt.
Robert Tunstall Taylor, LL. B. Univ. of Va. 1891.—Surgeon, Balt.; Chief Surgeon, Hosp. for Crippled Children.
Walter Herron Taylor, LL. B. Univ. of Va. 1891.—Atty. at Law, Norfolk, Va.
Winfield Scott Thomas.—Asst. Prof. Education, and Examiner of Schools, Univ. of Cal. Berkeley.
Harry Maas Ullmann, Ph. D. 1892; Hon. Fellow, Chicago 1892-93.—Asst. Prof. Anal. and Indus. Chem. Lehigh.
Horatio Alanson Warren.—Teacher, Broad Brook, Conn. (36)

1890

John McEwen Ames.—New York.
William Hand Browne, Jr. Profic. in Elec. 1892; Instr. Univ. of Neb.

1896-98; Asst. Prof. Univ. of Ill. 1898-1902.—Tech. Ed. *Electrical Review*, N. Y.

James Edmund Bryan, Jr.—Supervisor of Schools, Camden, N. J.

Rev. Ralph Erskine Carson, Allegheny Theol. Sem. 1895.—Missionary, Dolaib Hill, Soudan, Egypt.

*William Henry Carson, LL. B. and A. M. Harvard 1894. **August* 12, 1899.

Sydney Million Cone, M. D. Univ. of Pa. 1893; Asst. Surg. Path. 1896-1900.—Physician, Balt.; Lecturer, Balt. Med. Coll.

Vernon Cook, LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.

Lucius Bradley Dorr, M. D. Univ. of Md. 1890.—Physician, Buffalo, N. Y.

Edwin Stanton Faust, Ph. D. Munich 1893; Asst. 1894-95.—Privat Docent and 1st Asst. Pharmacol. Inst. Strassburg.

Ned Arden Flood, Allegheny (A. M. 1898, Lecturer 1895-98).—Atty. at Law, Meadville, Pa.

Herbert Friedenwald, Ph. D. Univ. of Pa.—Philadelphia.

Fielding Hudson Garrison, M. D. Georgetown 1893.—Physician, Washington.

Philip Füsting Gerry, Catholic Univ. (Ph. M. 1900, late Fellow and Instr.).—Director of English Instruction, Tech. Schools, Washington.

George William Gray, Ph. D. 1895.—Chemist, Standard Oil Co., Whiting, Ind.

Samuel H. Guggenheimer.—Atty. at Law, N. Y.

Daniel Dorsey Guy. — Journalist, Washington, D. C.

James Chew Johnston, M. D. N. Y. Univ. 1892. — Physician, N. Y.; Instr. Pathol. etc. Cornell.

Edward Parkin Keech, Jr. LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.

Henry McElderry Knower, (F), Ph. D. 1896; Bruce Fellow 1896-98; Instr. Williams 1896-97. — Instr. Anat.; Sec. and Co-Editor *American Journal of Anatomy*.

Berwick Bruce Lanier, M. D., Univ. of Md., 1892.—Physician, Balt.

Sylvan Hayes Lauchheimer, LL. B., Univ. of Md. 1892.—Atty. at Law, Balt.; Asst. City Solicitor.

Tilghman Brice Marden, M. D., Univ. of Md. 1892.—Physician, Balt.; Assoc. Prof. Biol. and Histol., Balt. Med. Coll.

George Clarence Morrison, LL. B. Univ. of Md. 1893; Supt. Md. Sch. for Blind, 1903-05.—Atty. at Law, Balt.

Arthur Alexander Oehm.—Instr. in Music, Balt.

*Arthur Rosewald Oppenheimer, M. D. Univ. of Pa. 1893. **April* 29, 1895.

Rev. Lyman Pierson Powell.—Clergyman, Northampton, Mass.

Rev. Samuel Guy Snowden, B. D. Drew Theol. Sem. 1893.—Clergyman, Conemaugh, Pa.

James Ernest Stokes, M. D. Univ. of Md. 1892. — Physician, Salisbury, N. C.

Isaac Lobe Straus, LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.

Charles Snowden Watts, LL. B. Univ. of Md. 1893.—Atty. at Law, Balt.

William Wallace Whitelock, Ph. D. Munich 1892.—New York.

William Whitridge.—Baltimore.

Adolph Grant Wolf.—Atty. at Law, Washington.

Frank Alfred Wolff, Jr. (F), Ph. D. 1893. — Prof. George Washington Univ.; Physicist, Bureau of Standards, Wash.

James Homer Wright, M. D. Univ. of Md. 1892; Harvard (A. M. 1894, Hon. D. Sc. 1905); Fellow, Univ. of Pa. 1892-93.—Instr. Pathol. Harvard; Chief Pathologist, Mass. Gen. Hosp. Boston.

Rev. Oscar Woodward Zeigler, Princeton Theol. Sem. 1893; A. M. Princeton 1894.—Clergyman, Perryman, Md.

Inazo Nitobe (Ota), (*extra ordinem*), Ph. D. Halle 1890.—Prof. Econ. Univ. of Kyoto. (37)

1891

Michael Alexander Agelasto, A. M. Columbia 1893.—Norfolk, Va.

*Delano Ames, M. D. Univ. of Md. 1892. **March* 10, 1899.

Thomas Stockham Baker, (F), Ph. D. 1895. — Lecturer, German; Prof. Mod. Lang. Tome Inst. Port Deposit, Md.

Randolph Barton, Jr. LL. B. Univ. of Md. 1893.—Atty. at Law, Balt.

Daniel Base, Ph. D. 1895. — Assoc. Prof. Chem. Md. Coll. of Pharmacy and Coll. of P. and S: Balt.

William F. Bissing, M. E. Ohio State Univ. 1893.—Patent Atty. N. Y.

Rev. Frederick Foye Briggs, Crozer Theol. Sem.—Clergyman, Wilmington, Del.

Shellman Baer Brown, Profic. in Elec. 1893.—Civil Engineer, Annapolis, Md.

Thomas Morris Brown.—Elec. Engineer, Cleveland, O.

Sidney Hand Browne, Profic. in Elec. 1893.—Elec. Engineer, Boston.

Henry Andrews Bumstead, Ph. D. Yale 1897. — Asst. Prof. Physics, Yale.

Frank Kenneth Cameron, Ph. D. 1894; Fellow and Asst. Cornell 1894-95, 1897-98; Asst. Prof. Catholic Univ. 1895-97. — Chemist, Agric. Dept. Wash.

Malcolm John Cameron, A. M. St. Francis Xavier (N. Y.) 1892; LL. B. and A. M. Columbia 1894.

George Carey.—New York.

Rev. Neilson Poe Carey, S. T. B. Gen. Theol. Sem. N. Y. 1897.—Clergyman, Norwich, Conn.
Abraham Cohen, (F), Ph. D. 1894.—Assoc. Mathematics.
Harry Webster Cooke. — Atty. at Law, Balt.
Arthur Aaron Dembitz.—New York.
Augustus Kountze Detwiler, M. D. Univ. of Pa. 1894. — Physician, Omaha, Neb.
George W. Dobbin, M. D. Univ. of Md. 1894; Asst. and Assoc. 1895-1901.—Physician, Balt.; Prof. Obstetrics, Coll. of Phys. and Surg.
William Francis Gallaway, (F), Ph. D. 1896.—Prin. Chatham Acad. Savannah, Ga.
George Henry Heitmuller, M. D. Univ. of Pa. 1894.—Physician, Wash.
Philip Hanson Hiss, Jr. Columbia (M. D. 1895, Ph. D.). — Physician, N. Y.; Adj. Prof. Bacteriol. Columbia.
Jacob H. Hollander, (F), Ph. D. 1894; Treas. Porto Rico, 1900-01; Special Commr. to Santo Domingo, 1905.—Prof. Pol. Econ.
Charles McHenry Howard, LL. B. Univ. of Md. 1893.—Atty. at Law, Balt.
Reid Hunt, (F), Ph. D. 1896, Assoc. and Assoc. Prof. 1898-03; M. D. P. and S. (Balt.) 1896; Tutor, Columbia 1896-98. — Pharmacologist, Bureau of Public Health, Washington.
Charles William Leverett Johnson, (F), Ph. D. 1896; Instr. Yale 1897-1900, Princeton 1900-03.
Henry Webster Keating.—Instr. St. James School, Md.
*William Knower, LL. B. Univ. of Md. 1893. **December* 27, 1894.
George Lefevre, (F), Ph. D. 1896, Bruce Fellow 1895-97, Asst. 1897-98. —Prof. Zool. Univ. of Mo. Columbia.
George Milton Linthicum, M. D. P. and S. (Balt.) 1893. — Physician, Balt.; Prof. Histol. etc. Md. Med. Coll.
Hugh Sisson Magruder, S. B. Columbia 1893.—Architect, Balt.
Arthur William McDougall. — Gen. Sec. Assoc. Charities, Orange, N. J.
Rev. Whitford L. McDowell.—Clergyman, Balt.
James Farnandis Mitchell, M. D. 1897, Instr. Surg. 1900-02.—Surgeon, Washington; Prof. Surg. Path. George Washington Univ.
Archibald Campbell Murray.—Baltimore.
Charles Fairbank Painter, Harvard (M. D. 1895, Asst. 1897-99).—Physician, Boston; Asst. Prof. Orthopedic Surg., Tufts Med. Coll.
Alfred Wilmot Pleasants. — Baltimore.
Alfred Magill Randolph, Jr. Profic. in Elec. 1895.—Elec. Engineer, Manchester, Eng.
William Ferdinand Rittler.—Second Lieut. U. S. A. Monterey, Cal.
Charles James Search, M. D. Univ. of Wooster 1893.—Physician, Brooklyn.
Alfred Jenkins Shriver, LL. B. Univ. of Md. 1893; A. M. Loyola 1894.—Atty. at Law, Balt.
Rev. James Lawrenson Smiley.—Clergyman, Alberton, Md.
Samuel King Smith, LL. B., Univ. of Md. 1893.—Atty. at Law, Balt.
Rev. Daniel Gurden Stevens, Jr. (F), Ph. D. 1894; B. D. Crozer Theol. Sem. 1897.—Clergyman, Bryn Mawr, Pa.
Charles Morton Stewart, Jr.—Baltimore.
William Stuart Symington, Jr. Ph. D. 1895; Instr. and Assoc. Prof. Stanford 1893-95; Prof. Romance Lang. Amherst 1895-1903.—Atty. at Law, Balt.
Matthew Möller Johnston Vea.—Stoughton, Wis.
Rev. Edward Louis Watson.—Clergyman, Balt.
Charles Joseph West.
Charles Francis Woods, Jr. Ph. D. 1897; Prof. Woman's Coll. Richmond 1897-99; Acting Prof. Swarthmore 1899-1900, Pa. Coll. 1900-02, Univ. of Colo. 1903-04.—Instr. Mod. Lang. Lehigh, S. Bethlehem, Pa.

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1892

Harry Adler, M. D. Univ. of Md. 1895.—Physician, Balt.
Newton Diehl Baker, Jr. LL. B. Wash. and Lee 1894.—Atty. at Law and Asst. Corporation Counsel, Cleveland; Prof. Baldwin Univ. O.
Charles Gambrill Baldwin, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
Edwin Bernhard Behrend, M. D. Georgetown 1894. — Physician, Wash.; Prof. Pathol. Georgetown Univ.
Rev. Lunsford Emory Bennett, B. D. Drew Theol. Sem. 1894.—Clergyman, New Windsor, Md.
Arthur Fisher Bentley, (F), Ph. D. 1895.—Chicago.
George Edward Boynton. — Instr. Hist. etc. High School, Brooklyn.
Thomas Richardson Brown, M. D. 1897. — Physician, Balt.; Assoc. Prof. Coll. of P. and S.; Chief, Med. Clinic; Assoc. Medicine.
Alfred Cookman Bryan, Ph. D. 1896; Instr. Wash. High School, 1896-02, Brooklyn Polytech. Prep. Sch. 1902-04.—Instr. Hist. N. Y. School of Commerce.
Charles Weathers Bump.—News Editor *Baltimore News*.
William Calvin Chesnut, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.
John Edwin Davis, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
Henry Haywood Ginsele.—Atty. at Law, Washington.
Leon Emanuel Greenbaum; LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.

James Wesley Harvey, Jr. LL. B. Univ. of Md. 1893.—Baltimore.
William August Haussmann, (F), Ph. D. 1895.—Instr. German, Central High Sch. Phila.
Jose Lewis Hirsh, M. D. Univ. of Md. 1895.—Physician, Balt.; Demonstr. Univ. of Md.
Morris James.—Class Instr. High School, Berkeley, Cal.
Hugh Judge Jewett, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.
Theodore Woolsey Johnson, M. E. Stevens Inst. 1896.—Prof. Mech. Eng. U. S. Naval Acad.
John Holladay Latane, Ph. D. 1895, Shaw Lecturer 1898-99; Prof. Randolph-Macon Woman's Coll. 1898-1902.—Prof. Hist. Wash. and Lee, Lexington, Va.
Edward Jaquelin L'Engle.—Atty. at Law, Jacksonville, Fla.
Earl Perkins Lothrop, M. D. Niagara Univ. 1894. — Physician, Buffalo, N. Y.
Charles Whitney Mixter, Harvard (A. M. 1893, Ph. D. 1897, Asst. 1896-98, Instr. 1902-03).—Prof. Pol. Econ. Univ. of Vt. Burlington.
Walter Alexander Montgomery, Ph. D. 1899; Instr. Univ. of Ark. 1899-1900; Acting Prof. Miss. Univ. 1900-01.—Class. Master, Gram. Sch. Sewanee, Tenn.
James Flack Norris, (F), Ph. D. 1895; Instr. and Asst. Prof. Mass. Inst. Tech. 1895-04.—Prof. Chem. Simmons Coll. Boston.
Thomas Dobbin Penniman, Ph. D. 1898.—Elec. Eng. Balt.
Charles William Peppler, (F), Ph. D. 1898.—Prof. Greek, Emory Coll. Oxford, Ga.
Albert Moore Reese, Ph. D. 1900; Prof. Allegheny 1901-02. — Assoc. Prof. Histol. Syracuse Univ. N. Y.
William Miller Roberts, M. D. Univ. of Md. 1897.—Surg. U. S. A.
Abram Barr Snively, M. D. Univ. of Pa. 1895.—Physician, Waynesboro, Pa.
John Sargent Stearns, M. D. Georgetown 1894.—Physician, Wash.
Charles Daniel Steenken, M. D. P. and S. (N. Y.) 1896.—Physician, Balt.
Leopold Stern.—Baltimore.
Lester Latham Stevens, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.
Gustav Lirman Stewart.—Baltimore.
*John Stewart. *September 27, 1903.
Redmond Conyngham Stewart, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.
Arthur Bertram Turner, Ph. D. Univ. of Pa. 1902; Prof. Temple Coll. Phila. 1895-99.—Instr. Math. N. Y. City Coll.
Harold John Turner, Ph. D. 1899; Prof. West. Md. 1900-01; Asst. Tufts 1903-04. — Science Director, High Sch. Montclair, N. J.
Richard Henry Wilson, Jr. Ph. D. 1898, Instr. 1898-99.—Prof. Romance Lang. Univ. of Va. (Cl)

1893

John Robert Abercrombie, M. D. Univ. of Md. 1895.—Physician, Balt.; Lecturer, Woman's Med. Coll.
Adolph Hall Ahrens.—Baltimore.
Theodore George Ahrens.—Architect, Balt.
Delaware Clayton Andre, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.
Frank Andrews.—Expert, Bureau of Statistics, Dept. of Agric. Washington.
William Steenbergen Blackford. — Balt.
George Stewart Brown, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.; Instr. Balt. Law School.
William Lawrence Clark.—Baltimore.
Frank Angier Clarke.—Prof. Latin and Greek, Mars Hill Coll. N. C.
Edward Lowell Cox.—Atty. at Law, Parkersburg, W. Va.
Noah Ernest Dorsey, (F), Ph. D. 1897, Asst. and Assoc. 1897-1901.—Physicist, Bureau of Standards, Washington.
Howard Blake Dowell, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
John Hooper Edmondson, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
Henry Simpson Greenleaf, M. D. Univ. of Pa. 1895.—Res. Phys. Amer. Hosp. Peking, China.
Wilmot Griffiss.
Louis Philip Hamburger, M. D. 1897. —Physician, Balt.; Chief, Med. Clinic; Assoc. Medicine.
John Hampden Haselton.—Atty. at Law, New York.
Lloyd Lowndes Jackson, Jr. LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
Millard Langfeld, M. D. 1898.—Physician and Bacteriologist, Board of Health, Omaha; Prof. Bacteriol. etc. Creighton Med. Coll.
John Leypold Griffith Lee, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.; Prof. Med. Jurisprud. Woman's Med. Coll.
Jacob Moses Moses, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
Clayland Mullikin, LL B. Univ. of Md. 1893.—Atty. at Law, Easton, Md.
Charles Watson Newhall. — Math. Master, Shattuck School, Faribault, Minn.
Frederick Bogue Noyes, D. D.S. Northwestern.—Prof. Histol. Dental Dept. Northwestern Univ. Evanston, Ill.
Eugene Lindsay Opie, (F), M. D. 1897, Asst. Instr. Assoc. Pathology, 1898-04. — Assoc. Rockefeller Inst. for Med. Research, N. Y.
Charles Bingham Penrose, Jr. LL. B. Univ. of Md. 1898.—Atty. at Law, Balt.
Clement Andariese Penrose, M. D. 1897.—Physician, Balt.

Charles Carroll Schenck, Ph. D. 1901; Asst. Lehigh 1901-02; Instr. Physics, McGill, 1902-05.—Balt.
Siegmund Bacharach Sonneborn.—Balt.
Morris Ames Soper, LL. B. Univ. of Md. 1895.—Asst. U. S. District Atty. Balt.; Instr. Balt. Law School.
Francis Edgar Sparks, Ph. D. 1896.—Atty. at Law, Balt.
Alfred Earnest Speirs.—Chicago, Ill.
Hugo Paul Thieme, Ph. D. 1897; Asst. Prof. Earlham 1897-98; Lecturer 1900-01.—Asst. Prof. French, Univ. of Mich.
Douglas Hamilton Thomas, Jr.—Architect, Balt.
Edwin Litchfield Turnbull. — Baltimore.
Rev. John Ogle Warfield, S. T. B. Episc. Theol. School, Cambridge, Mass. 1896.—Clergyman, Phila.
Henry Skinner West, (F), Ph. D. 1899, Instr. 1899-00; Prof. Eng. Balt. City Coll. 1894-97 and 1900; Prin. Western High School 1900-06.—Asst. to Supt. of Schools, Balt.
Frederick Wallace Wilson.—Atty. at Law, The Dalles, Oregon.
Leo Wolfenstein.—Cleveland, O.
William Hamilton Kirk (*extra ordinem*), (F), Ph. D. 1895; Instr. Vanderbilt 1895-00.—Prof. Latin, Rutgers. (40)

1894

John Griffith Ames, Jr. A. M. Oxford 1899; Prof. Kenyon 1895-97.—Prof. English, Illinois Coll. Jacksonville.
William Stevenson Baer, M. D. 1898.—Physician, Balt.; Clin. Asst.; Assoc. Orthopedic Surgery.
Rev. Adolph Elhart Baker, Union Theol. Sem. (Va.) 1897.
Walter Baumgarten, M. D. Wash. Univ. 1896; Asst. Harvard 1897-98; Asst. Med. 1903-04.—Physician, St. Louis; Instr. Wash. Univ.
Arthur Henry Baxter, Ph. D. 1898.—Instr. French, Amherst.
Ernest Julius Becker, Ph. D. 1898; Prof. Woman's Coll. Richmond, 1899-01.—Instr. Mod. Lang. Balt. City Coll.
Thomas Pumphrey Benson, M. D. Univ. of Md. 1898. — Physician, Pumphrey's, Md.
Thomas Fitz Patrick Cameron.
Moses S. Cohen, LL. B. Univ. of Md. 1896.—Atty. at Law, Balt.
Bernard Milton Cone, Columbia (A. M. 1896, LL. B. 1897).—Atty. at Law, N. Y.
Charles Angelo Conrad, LL. B. Univ. of Md. 1897.
Walter Cox, M. D. Balt. Univ. 1898.—Asst. Surg. U. S. Marine Hosp. Service.
Percy Millard Dawson, (F), M. D. 1898.—Assoc. Prof. Physiology.
Eli Frank, LL. B. Univ. of Md. 1896. —Atty. at Law Balt.; Instr. Balt. Law School.
Nathaniel Edward Griffin, Ph. D. 1899; Instr. Iowa Univ. 1899-1900; Prof. Wells Coll. 1900-03; Instr. English, Univ. of Vt. 1903-04.—Preceptor, English, Princeton.
Benjamin Howell Griswold, Jr. LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
Richard Jordan Hancock, Jr.—Atty. at Law, Atlanta, Ga.
Stephen Cloud Harry.—Math. Instr. Friends' School, Balt.
Thomas Wood Hastings, M. D. 1898. —Physician, N. Y.; Instr. Clin. Pathol. Cornell.
Rev. Conrad Augustine Hauser, Lancaster Theol. Sem. 1897.—Clergyman, Cumberland, Md.
Herman Frederick Krafft, LL. B. Columbia 1898. — English Master, St. George's School, Newport.
Harry Taylor Marshall, (F), M. D. 1898.—Chief, Med. Clinic; Instr. Pediatrics; Physician, Balt.
George Stevens Maynard, Profic. in Elec. 1896.—Gen. Elec. Co. Schenectady.
Louis Wardlaw Miles, (F), M. D. Univ. of Md. 1897; Ph. D. 1902.—Instr. English, Princeton.
William Albert Nitze, (F), Ph. D. 1899; Lecturer and Tutor, Columbia 1899-03.—Prof. Romance Lang. Amherst.
James Piper, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
John Eugene Howard Post.—French Master, Country School for Boys, Balt.
John Hurst Purnell.—Baltimore.
Milton Reizenstein, Ph. D. 1897.—Supt. Hebrew Educ. Soc. Brooklyn, N. Y.
Frank Roy Rutter, (F), Ph. D. 1897. —Dept. of Agric. Wash.
Simon H. Stein, LL. B. Univ. of Md. 1896.—Baltimore.
Emerson H. Strickler.—Gen. Chem. Co. N. Y.
Joseph Pembroke Thom, Jr. LL. B. Univ. of Md. 1901.—Atty. at Law, Balt.
Rev. George Harvey Trull, Princeton Theol. Sem. 1897.—Clergyman, Wilmington, Del.
Clinton Gambrill Tudor.—Civil Engr. Peoria, Ill.
Malcolm Van Vechten Tyson, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
Horace Scudder Uhler, (F), Ph. D. 1905; Instr. Northwestern 1896-97.—Instr. Phys. Yale.
George Talbot Whitfield.—Atty. at Law, Tallahassee, Fla.
Pere Lethrbury Wickes, Jr.—Atty. at Law, Balt.
*Chester Clark Wood. **September* 11, 1895.
James Curtis Ballagh, (*extra ordinem*), Ph. D. 1895.—Assoc. Prof. American Hist. (41)

1895

Wilbur Withrow Ballagh.—Tenafly, N. J.
William Sherman Bansemer, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
Harry Bissing, Profic. in Elec. 1895.—Elec. Eng. N. Y.
Hanson Briscoe Black.—Captain, U. S. Artillery, Ft. Flagler, Wash.
Rev. Charles Henry Hardin Branch, Princeton Theol. Sem. 1898.—Clergyman, Lexington, Ky.
George Dobbin Brown, (F), Ph. D. 1901; Acting Prof. Univ. of Vt. 1901-02.—Instr. English, Balt.
Lawrason Brown, M. D. 1900.—Physician, Saranac Lake, N. Y.
Humphrey Warren Buckler, M. D. 1899, Asst. Obstetrics 1901-06.—Physician, Balt.; Clin. Asst.; Prof. Med. Woman's Med. Coll.
William Mack Chowning, S. B. Knox 1894; M. D. Mich. 1901.—Physician, Minneapolis; Demonstr. Pathol. etc. Univ. of Minn.
Charles Bevan Clark, S. B. Mass. Inst. Tech. 1897.—Civil Engineer, Cincinnati.
Gilbert Abraham Coblens. — Baltimore.
Reuben Carll Foster, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
Frank Taylor Fulton, S. B. Knox 1894; M. D. 1899.—Pathologist and Director, Pathol. Lab. R. I. Hosp.; Instr. Brown; Physician, Providence.
*James Daton Gallagher, M. D. 1899. **April* 1, 1901.
George Herbert Gray. — Architect, N. Y.
Milton Daniel Greenbaum, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
Roland Bridendall Harvey, LL. B. Univ. of Md. 1896.—Atty. at Law, Balt.
George Oscar James, (F), Ph. D. 1899; Instr. Univ. of Utah 1896-97; Lecturer, Assoc. Prof. Columbian 1900-02; Instr. Lehigh 1902-03.—Instr. Math. Washington Univ. St. Louis.
Stuart Symington Janney, LL. B. Univ. of Md. 1901.—Atty. at Law; Instr. Balt. Law School.
Marcus Kaufman, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
Charles Alexander Kilvert. — Providence, R. I.
Ernest Pendleton Magruder, Columbian (A. M. 1900, M. D. 1902).—Physician, Wash.
*Edward Spiller Oliver, M. D. 1900. **March* 18, 1902.
John Donaldson Parker, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
David Sterrett Pindell, Profic. in Elec. 1897.—Elec. Engr. Sault Ste. Marie, Mich.
Jacob Hall Pleasants, Jr. M. D. 1899.—Physician, Balt.; Assoc. Prof. Coll. of P. and S.; Chief, Med. Clinic; Instr. Medicine.
Rev. Gustav Rudolph Poetter, Lancaster Theol. Sem. 1898.—Clergyman, Balt.
John Andrew Robinson, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
Sylvan Rosenheim, M. D. 1899.—Physician, Balt.; Demonstr. Coll. of P. and S.; Clin. Asst.; Asst. Laryngology.
Charles Albert Savage, Ph. D. 1903.—Asst. Prof. Greek and Latin, Univ. of Minn., Minneapolis.
Edgar Randolph Strobel, M. D. 1899.—Physician, Balt.; Clin. Prof. Balt. Med. Coll.; Clin. Asst.; Instr. Dermatology.
Robert McIlvaine Torrence. — Washington, Pa.
Campbell Easter Waters, Ph. D. 1899: Prof. Conn. Agric. 1900-01; Asst. 1901-04.—Chemist, Bureau of Standards, Wash.
Arthur Charles Watkins, B. D. Union Theol. Sem. N. Y. 1900.—Manager, Univ. Press, Sewanee, Tenn.
Henry Abel Whitaker.—Atty. at Law, Belair, Md.
William Whitridge Williams, M. D. 1899; Asst. Prague 1900-01, Harvard 1901-03. — Physician, Mass. Gen. Hosp. Boston.
William Wingert, LL. B. Univ. of Md. 1897.—Atty. at Law, Hagerstown. (37)

1896

Thomas Sewell Adams, (F), Ph. D. 1899.—Asst. Prof. Econ. Univ. of Wis. Madison.
Cornelius Beatty, Prof. Des Moines Coll. 1899-02.—Instr. Chem. Grant Univ. Chattanooga, Tenn.
Augustus Cæsar Binswanger.—Atty. at Law, Balt.
Charles Edward Caspari, (F), Ph. D. 1900; Asst. Columbia 1900-01.—Prof. Chem. St. Louis Coll. of Pharmacy.
Clarence Carroll Clark, Ph. D. Yale 1903. — Lecturer, English, Bryn Mawr.
Rev. Frank Wilbur Collier, S. T. B. Boston Univ. 1899. — Clergyman, Malden, Mass.
Rev. Charles Edward Diehl, Princeton Theol. Sem. 1900; A. M. Princeton 1900. — Clergyman, Crescent Springs, Ky.
William Reginald Dorsey.—Atty. at Law, Balt.
George Dyre Eldridge, Jr. LL. B. Columbia 1900.—New York.
Rev. Albert Dale Gantz, Princeton Theol. Sem. 1899; A. M. Princeton 1899. — Clergyman, Walla Walla, Wash.
Alfred Dearing Harden.—Atty. at Law, Savaunah, Ga.

*William Faithful Hendrickson, M. D. 1900; Asst. Demonstr. Pathol. Univ. of Pa. 1900-02. **August* 21, 1902.
*Frank Holmes Johnson. **June* 20, 1896.
Charles Harwood Knight. — Baltimore.
William Kurrelmeyer, (F), Ph. D. 1899; Prof. Franklin and Marshall 1899-00.—Instr. German.
Robert Lacy, S. B. Mass. Inst. Tech. 1898.—Civil Eng. Balt.
Henry Lanahan, M. E. Md. Agric. 1906.—Prof. Physics, Md. Agric. College Park.
Monroe Luchs.—Washington, D. C.
Arthur Webster Machen, Jr. LL. B. Harvard 1899.—Atty. at Law, Balt.; Instr. Balt. Law School.
Richard Elliott Marine.—Asst. Examiner, U. S. Patent Office, Wash.
Henry Pickering Parker, M. D. 1901. —Physician, Balt.; Clin. Asst. Medicine.
Albert Cabell Ritchie, LL. B. Univ. of Md. 1898.—Atty. at Law, Balt.; Asst. City Solicitor.
Louis Rosenbaum, LL. B. Univ. of Md. 1898.—Atty. at Law, Balt.
Glanville Yeisley Rusk, M. D. 1900; Asst. Psychiatry 1902-03.—Pathol. Inst. Ward's Island, N. Y.
Laurence Frederick Schmeckebier, (F), Ph. D. 1899.—U. S. Geol. Survey, Wash.
James Eustace Shaw, (F), Ph. D. 1900.—Assoc. Italian.
St. George Leakin Sioussat, Ph. D. 1899; Instr. Smith Coll. 1899-04.—Prof. Hist. Univ. of the South, Sewanee, Tenn.
Alexander Raymond Stevens, M. D. 1903.—Physician, Balt.
Rev. John Wesley Richardson Sumwalt.—Clergyman, Balt.
John Hanson Thomas, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
Charles Burnet Torsch.—Baltimore.
James McConkey Trippe, LL. B. Univ. of Md. 1898.—Atty. at Law, Balt.
Charles William Waidner, (F), Profic. in Elec. 1892, Ph. D. 1898, Asst. 1898-99; Instr. Williams 1899-1901.—Physicist, Bureau of Standards, Wash.
William Fisher Wallis.—Aid, U. S. Coast and Geodetic Survey.
Frederick Howard Warfield, LL. B. Univ. of Md. 1899.—Atty. at Law, Balt.
Rev. John Armistead Welbourn, A. M. Columbian 1898; Va. Theol. Sem. 1899. — Missionary, Tokyo, Japan.
John Montgomery West, M. D. 1901. (37)

1897

Herbert Henry Adams, C. E. Mass. Inst. Tech. 1899.—St. Thomas, Ont.
Frederick Henry Baetjer, M. D. 1901. —Asst. Surgeon; Assoc. Surgery.
Robert Ernest Belknap.—Pa. Steel Co. Chicago.
Frank Ringgold Blake, (F), Ph. D. 1902.—Instr. Oriental Lang.
Edward Lingan Bowlus, M. D. Univ. of Md. 1906; Prof. Mt. Union Coll. 1902; Instr. Biol. Monmouth Coll. 1902-03.—Baltimore.
Charles Keyser Edmunds, (F), Ph. D. 1903; Acting Prof. Univ. of Utah, 1898-99. — Prof. Physics, Christian Coll. Canton, China.
Howard Main Gassman, E. E. Lehigh 1901; Instr. Ursinus 1897-99.—Elec. Eng. Ampere, N. J.
Neil Duncan Graham, M. D. 1901.—Physician, Wash.; Asst. Prof. Obstetrics, etc., Howard Univ.
Charles Saloman Guggenheimer.—Atty. at Law, N. Y.
Frank Arnold Hancock.—Chemist, Balt.
Landry Harwood, LL. B. Kansas City Law School, 1899.—Atty. at Law, Kansas City.
Eugene de Forest Heald, Jr.—Student, Gen. Theol. Sem. N. Y.
Michael Ernest Jenkins, LL. B. Harvard 1900.—Atty. at Law, Balt.
Harry M. Kaufman, M. D. 1901.—Physician, Wash.; Demonstr. Pathol. George Washington Univ.
Rev. Frank Albert Killmon.—Clergyman, Balt.
Rev. John Edgar Knipp, Union Biblical Sem. O., 1900; Instr. Doshisha, Kyoto, 1900-03.—Dayton, O.
Theodore Morgan Leary.—New York.
William Strobel Levy. — Atty. at Law, Balt.
Warfield Theobald Longcope, M. D. 1901.—Director, Ayer Clin. Lab. Pa. Hosp. Phila.
Charles Edward Lyon, Ph. D. 1904; Instr. Williams, 1904-05. — Instr. Mod. Lang. Princeton.
Rev. Henry Clay McComas, Jr. A. M. Columbia 1898; Union Theol. Sem. N. Y. 1900.—Clergyman, Cadillac, Mich.
George Lovic Pierce Radcliffe, Ph. D. 1900; LL. B. Univ. of Md. 1903; Prin. Cambridge (Md.) High Sch. 1900-01; Instr. Hist. Balt. City Coll. 1901-02.—Atty. at Law, Balt.
Herbert Meredith Reese, (F), Ph. D. 1900; Asst. Lick Observ. 1900-03, Yerkes Observ. 1903-04. — Instr. Physics, Univ. of Mo. Columbia.
Alexander Henry Schuls, Jr.—Balt.
Rev. John Frederick Schunck, B. D. West Phila. Divinity School 1901.—Clergyman, Weldon, Pa.
*Henry Plant Shuter. **October* 17, 1898.
Josiah Morris Siemons, M. D. 1901.—Physician, Balt.; Assoc. Obstetrics.
Samuel Hamilton Spragins, A. M. Yale 1899.—Supt. of Schools, Helena, Ark.
Albert Louis Steinfeld, M. D. 1901.—Prof. Toledo Med. Coll. 1903-04.—Physician, Toledo, O.
James McIlhany Thomson.—Editor, Norfolk, Va.

Albert James Underhill, M. D. 1901.—Physician, Balt.; Clin. Asst.
Louis Marshall Warfield, M. D. 1901.—Physician, St. Louis; Instr. Washington Univ.
George William Warren, M. D. 1901.—Physician, N. Y.
David Emrich Weglein, Instr. Balt. City Coll. 1902-06.—Princ. Western High School, Balt.
Dudley Williams, M. D. 1902.—Physician, Balt.; Clin. Asst. Medicine.
Henry Merryman Wilson.—Prof. Textiles, A. and M. Coll. of N. C. Raleigh.
Charles Knickerbacker Winne, Jr. M. D. 1901.—Physician, Albany; Instr. Bacteriol. Albany Med. Coll. (37)

1898

Zadok Marshall Ballard.—Editor, Norfolk, Va.
Odin Baltimore Bestor.—Engr. Ridge Top, Tenn.
Duncan Kenner Brent, LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
Bennet Bernard Browne, Jr. M. D. 1902.—Physician, Balt.; Asst. Eye, Ear and Throat Charity Hosp.; Clin. Asst.
George Miltenberger Clarke.—Atty. at Law, N. Y.
Henry Wireman Cook, M. D. 1902.—Physician, Minneapolis, Minn.
Rev. Albert Charles Dieffenbach, Lancaster Theol. Sem. 1901.—Clergyman, Allegheny, Pa.
Gustavus Charles Dohme, M. D. 1902. Physician, Balt.; Assoc. Prof. Chem. Md. Med. Coll.
Ralph Duffy, M. D. 1902.—Pathologist, West. Pa. Hosp.; Physician, Pittsburg.
James F. Ferguson.—Baltimore.
John Somerville Fischer, M. D. 1903.—Chief, Med. Clinic, St. Joseph's Hosp. Disp.; Physician, Balt.
Thomas Fitzgerald, Jr.—Elec. Engineer, Lexington, Ky.
Lawrence Hall Fowler, S. B. Columbia 1902.—Architect, Balt.
William Willoughby Francis, M. D. 1902, Asst. Pathol. 1904-05.—Student, Vienna.
William Cazenove Gardner.
Alexander Gordon, Jr. LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
William Browne Hammond, Jr. LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
Philip Warner Harry, Ph. D. 1903; Instr. Univ. of Me. 1901-02.—Instr. Romance Lang. Univ. of Cincinnati.
Leonard Keene Hirshberg, M. D. 1902.—Physician, Balt.; Assoc. Neurol. Coll. of P. and S.; Chief, Nerve Clinic, City Hosp.
Conway Shaler Hodges.—Atty. at Law, Balt.
William Randle Hubner, LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
Robert Henry Jones.
Charles Wesley Kalb.—Catonsville, Md.
James Alfred Kennard, LL. B. Univ. of Md. 1901.—Toronto, Ont.
Louis Charles Lehr, M. D. 1902.—Physician, Washington.
Henry John Lucke, Lafayette (A. M. 1901, Instr. Math. 1900-02).—Asst. Examiner, U. S. Patent Office, Wash.
David Gregg McIntosh, Jr. LL. B. Univ. of Md. 1901.—Atty. at Law, Balt.
Frank Oldham Miller, M. D. Univ. of Md. 1902.—Physician, Balt.
Raymond Durbin Miller, (F), Ph. D. 1904.—Asst. English, Univ. of Texas, Austin.
Solomon Brenner Myers.—Baltimore.
Harold Pender, Ph. D. 1901; Instr. Physics, Syracuse Univ. 1902-03.—Electr. Engr. N. Y.
Thomas Lindley Pyle.—Pylesville, Md.
Vincent Adams Renouf.—Prof. Hist. etc. Univ. of Tientsin, China.
George Barr Scholl, M. D. 1902.—Physician, Balt.; Prof. Pathol. etc. Md. Med. Coll.
Alexander Lazear Seth, LL. B. Univ. of Md. 1901.—Atty. at Law, Balt.
Frederick Williamson Smith, C. E. Mass. Inst. Tech. 1901.—Engr. Mattoon, Ill.
Robert Marsden Smith, LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
Victor Edgeworth Smith.
Charles Miner Stearns.—Instr. English, Harvard.
Leo D. Stein.
William Plunket Stewart.—Phila.
Albert Gad Stidman, Instr. Mod. Lang. Lehigh, 1902-04.—Balt.
William Ellinger Straus.—Baltimore.
Joseph Nathan Ulman, A. M. Columbia 1900.—Atty. at Law, Balt.
John Boswell Whitehead, Profic. in Elec. 1893, Ph. D. 1902.—Assoc. Prof. Elec.
Powhatan Johnson Wooldridge.—Louisville, Ky.
Jacob Forney Young.—Baltimore.
Rev. Charles Smith Lewis (*extra ordinem*), S. T. B. Gen. Theol. Sem. (N. Y.) 1895.—Clergyman, Elmsford, N. Y. (48)

1899

James Robert Charlton Armstrong, Prof. in Elec. 1899.—Gen. Elec. Co. N. Y.
George Diuguid Davidson.—Asst. French, Univ. of Va.
Henry Carter Downes, LL. B. Univ. of Md. 1901.—Atty. at Law, Balt.
Ferdinand Colquhoun Fisher.—Balt.
Walter Melvin Fooks.—Atty. at Law, Balt.
Eddy Burke Fosnocht.—Mod. Lang. Master, Riverview Acad. Poughkeepsie, N. Y.
Simon Walter Frank.—Baltimore.

John Calvin French, (F), Ph. D. 1905.—Instr. English.
*Charles Carter Gaddess. **June* 16, 1901.
John Reed Gemmill.—Denver, Colo.
Harry Seliger Greenbaum, M. D. 1904.—Physician, Balt.
Robert Harold Grimes, LL. B. Harvard 1902.—Atty. at Law, N. Y.
Clarence Maurice Guggenheimer.—New York.
Hugh Sisson Hanna, Ph. D. 1906.
Stephen Paul Harwood.—Atty. at Law, Balt.
Louis Wardlaw Haskell, Jr. M. D. 1903.—Physician, N. Y.
Talbot Dickson Jones.—Baltimore.
Leon Lewis Joyner.—Baltimore.
Karl Jungbluth, Jr.—Louisville, Ky.
John Albert Kalb. — Supervising Princ. Public Schools, Millburn, N. J.
John Hendricken King, M. D. 1906.—Voluntary Asst. Medicine.
George Wroth Knapp, Jr.—Baltimore.
Walter Marshall Krager.—Baltimore.
Herman Kurreimeyer, (F), Ph. D. 1902.—Instr. Mod. Lang. Mass. Inst. Tech.
*Joshua Levering, Jr. **August* 23, 1900.
James Morfit Mullen.—Baltimore.
Philip Austen Murkland, LL. B. Univ. of Md. 1901.—Chicago.
Edward Livingston Palmer, Jr.—Baltimore.
John Howard Palmer.—Baltimore.
Charles Mallory Remsen, M. D. 1904.—Asst. Res. Physician.
Lawrence Anton Reymann.—Wheeling, W. Va.
Edward Ayrault Robinson, Jr.—Atty. at Law, Balt.
George Canby Robinson, M. D. 1903.—Res. Pathologist, Pa. Hosp. Phila.
William Leavell Ross.—Pittsburg, Pa.
Edwin Albert Spilman.—Baltimore.
Renè de M. Taveau.—Chemist, Woodbury, N. J.
Richard Henry Thomas. — Chemist, Newark, N. J.
Ottomar Siegmund Werber. (38)

1900

Rev. Roger Brooke Taney Anderson, S. T. B. Gen. Theol. Sem. (N. Y.) 1903.—Clergyman, Boston.
Howard Baetjer, C. E. Mass. Inst. Tech. 1902.—Civil Engineer, Pittsburg.
Christian John Beeuwkes.—Atty. at Law, Balt.
Henry Bogue.—Washington, D. C.
Byron Noble Bouchelle.—Chesapeake City, Md.
Austin Adams Breed.—Cincinnati, O.
Charles Edward Brooks, Ph. D. 1904.—Fayetteville, N. C.
Edward Skipwith Bruce.—Balt.
James Luther Albert Burrell.
Rev. Lyttleton Morgan Chambers.—Clergyman, Balt.
Christopher Thompson Clark, LL. B. Columbian 1903. — Atty. at Law, Washington.
McQuilkin DeGrange, Asst. English, Univ. of Wash. 1904-06.—Columbia Univ.
John Howard Eager.—Baltimore.
Rev. John Edward Ewell, Va. Theol. Sem. 1903. — Clergyman, Hancock, Md.
Frederick Bonner Flinn.—Newark, N. J.
Frederick Foster.— Atty. at Law, Balt.
Otto Charles Glaser, Ph. D. 1904, Bruce Fellow, 1904-05.—Instr. Zool. Univ. of Mich.
Joseph David Greene.—Atlanta, Ga.
John Wheeler Griffin, LL. B. Harvard 1903.—Atty. at Law, N. Y.
Stuart Heyman.—Baltimore.
Henry Dickinson Hill, Ph. D. 1904.—Electr. Engr. N. Y. Telephone Co.
John Philip Hill, LL. B. Harvard 1903.—Atty. at Law, Balt.
Edward Pechin Hyde, (F), Ph. D. 1906.—Physicist, U. S. Bureau of Standards, Wash.
Albert Keidel, M. D. 1903.—Physician, Balt.; Clin. Asst. Medicine.
Robert Clark Kerr.—Baltimore.
Maurice Lazenby, M. D. 1903.—Physician, Balt.; Assoc. Md. Med. Coll.
Donald Macy Liddell.—Chrome, N. J.
Norvin Rudolf Lindheim.
Leonard Leopold Mackall. — Fellow, German.
T. Hartley Marshall.—Baltimore.
Reginald Ley McAll.—New York.
Jared Sparks Moore, Harvard (A. M. 1903, Ph. D. 1905).—Asst. Philos. Harvard.
James Girvin Peters, Grad. in Forestry, Yale 1903.—Asst. U. S. Forest Service, Wash.
Tobias Nöel DeLoughmoe Purcell.
Robert Bruce Roulston, (F), Ph. D. 1906. — German Master, Country School for Boys, Balt.
Frank Peyton Rous, M. D. 1905.—House Officer.
James Edward Routh, Ph. D. 1905.—Asst. English, Univ. of Texas, Austin.
Alexander Van Rensselaer Schermerhorn.—Atty. at Law, Balt.
Wilson Levering Smith.—Architect, Balt.
Miltenberger Neale Smull.—Librarian, Balt.
James Carlyle Stevens.—Norfolk, Va.
George Lane Taneyhill, Jr. M. D. 1904.—Physician, Balt.; Asst. Medicine; Clin. Asst.
Bayard Turnbull.—Architect, Balt.
Miller Wingert.
Nathan Winslow, M. D. Univ. of Md. 1901.—Physician, Balt.
Arthur Wright. — Asst. Examiner, U. S. Patent Office, Washington. (46)

1901

Ronald Taylor Abercrombie, M. D. 1905.—Res. Phys. Church Home; Director of Gymnasium.

Hollis Roswell Baker.—Aberdeen, Md.
Leon Kahn Baldauf, M. D. 1905.—Asst. Bender Lab. Albany.
Rev. John Martin Bandel, Auburn Theol. Sem. 1904.
Bertram Moses Bernheim, M. D. 1905.—Europe.
Andrew Reid Bird, Presb. Theol. Sem. Richmond, 1905.—Clergyman, Laurel, Md.
John Manning Booker.—Grad. Student.
Norman Boyer.—New York.
John Straith Briscoe.—Baltimore.
Ernest Bonsall Brown. — Dept. of Agric. Washington.
*Alfred William Bruton. **May* 1, 1903.
Mortimer Bye.—Chemist, Balt.
Harry Stephenson Byrne.—Atty. at Law, Omaha, Neb.
George Cator, Ph. D. 1902. — Prest. American Bonding Co. Balt.
Kosciusko Walker Constantine, M. D. 1905.—Student, Vienna.
Frederick Richard Dapprich.—Instr. German, Purdue, Lafayette. Ind.
Robert Sergeant Duck.—Baltimore.
Aaron Ember, (F), Ph. D. 1904, Rayner Fellow. 1904-06.—Instr. Hebrew.
Leyburn Grear Fishach. — Treas. Dept. Wash.
John Frederick Gray.
William Hall Harris, Jr.—Atty. at Law, Balt.
Ernest Cummins Hatch.—Student of Law, Univ. of Md.
Lee Milton Hollander, (F), Ph. D. 1905.—Christiania, Norway.
Walter Isaac Kohn.—Louisville, Ky.
Eugene Joseph Leopold, M. D. 1905.—Student, Berlin.
Edward Breckenridge Lowndes.—Balt.
Rev. John Gresham Machen, Princeton Theol, Sem. 1905.
Robert Brooks Morse, S. B. Mass. Inst. Tech. 1904.—Draftsman, Sewerage Commission, Balt.
Rev. Edward Richards Noble, Gen. Theol. Sem. (N. Y.) 1904.—Clergyman, Phila.
George Edward Rehberger, M. D. 1905.—Physician, Balt.
John Adelbert Riggins, LL. B. Univ. of Pa. 1904.—Atty. at Law, Camden, N. J.
Forrest Shreve, (F), Ph. D. 1905.—Bruce Fellow 1905-06; Instr. Botany, Woman's Coll. Balt.
Rev. William Payne Shriver, Union Theol. Sem. (N. Y.) 1904.—Clergyman, N. Y.
Guy Everett Snavely.—Grad. Student.
Lindsay Coleman Spencer.—Atty. at Law, Baltimore.
Julian Samuel Stein.—Baltimore.
*Otto Albert Struth. **September* 1, 1902.
Walter B. Swindell, Jr.—Baltimore.
James Edward Tyler, Jr.—Atty. at Law, Balt.
Henry Michael Warner, M. E. Univ. of Wis. 1903.
Augustus Price West, Ph. D. 1905.—Chemist, Balt.
Horace Slingluff Whitman.—Atty. at Law, Balt.
Marcus Wilton Wolf, Jr.—Atty. at Law, Balt. (43)

1902

Edward Bailey Beasley, M. D. 1906.
Henry Beeuwkes, M. D. 1906.
Elbridge Palmer Bernheim.—Louisville, Ky.
William Jenkins Buttner.—Md. Steel Co. Sparrows Pt.
John Gorsuch Campbell.—Instructor, St. James School, Md.
Robert Treat Crane, (F).—Fellow by Courtesy.
Albert Goucher Dew.—Univ. Scholar.
Ross Miles Diggs.—Baltimore.
Joseph Townsend England.—Atty. at Law, Balt.
Horace Clendenin Gillespie.—Chemist, Camden, N. J.
John Sharshall Grasty.—Grad. Student.
Frederick Lee Guggenheimer.
Rev. John Phelps Hand.—Clergyman, Balt.
Henry Honeyman Hasen, M. D. 1906.
Louis Foltat Hildebrandt. — Grad. Student.
William Bryant Hill.
William Edwin Hoffman, Jr. Ph. D. 1905.—Chemist, Balt.
William Kirk, (F), Ph. D. 1905.—Asst. Econ. Brown Univ.
William Howard Koppelman.—Civil Eng. Balt.
David Israel Macht, M. D. 1906.
Ogle Marbury.—Atty. at Law, Balt.
Charles Markell, Jr.—Atty. at Law, Balt.
Bartgis McGlone, Instr. Ill. Wesleyan, 1903-05.—Grad. Student.
Robert Emory Moore, M. D. 1906.
Lyman Clements Murphy.—Med. Student.
Charles Augustus Myers.—Fellow in English.
John Norris Myers, Jr.
Marbury Bladen Ogle. — Fellow in Latin.
Aubrey Pearre, Jr. LL. B. Harvard, 1905.—Atty. at Law, Balt.
Isaac Rosenbaum Pels, M. D. 1906.
Thomas Coulson Pinkerton, S. B. Mass. Inst. Tech. 1905. — Chem. Engr. Boston.
Milton Williams Powell.
Benjamin Swayne Putts, M. D. 1906.
Charles Frederick Ranft.—Grad. Student.
Walter Ford Reynolds.—Math. Instr. Balt.
Jacob Abner Sayler, Jr. LL. B. Harvard, 1905.—Atty. at Law, Balt.

William Christian Schmeisser.—Student of Law, Univ. of Md.
Ralph Carlton Sharretts.—Atty. at Law, Balt.
Lloyd Parker Shippen.—Med. Student, Univ. of Pa.
Gibson Emerson Sisco.—Fort Wayne, Ind.
John Aydelotte Slemons.—Baltimore.
Sidney Smith, LL.B. Harvard, 1905.
Harvey Brinton Stone, M. D. 1906.
Henry Philip Straus, Ph. D. 1905.
Solomon Strouse, M. D. 1906.
Samuel Wolman, M. D. 1906.
Peregrine Wroth, Jr., M. D. 1906.
(47)

1903

John Armstrong Addison, Sec. Y. M. C. A. 1904-06.—Sec. Student Y. M. C. A., N. Y.
Louis Adelsdorf.—Baltimore.
William Wetherall Ammen, S. B. Mass. Inst. Tech. 1905.—Asst. Examiner, U. S. Patent Office.
Harry Norman Baetjer, LL. B. Univ. of Md. 1905.—Atty. at Law, Balt.
Arthur Newsom Baldauf.—Henderson, Ky.
Edgar Sutro Bamberger.—Baltimore.
William Sellman Bird.—New York.
Frederick Conrad Blanck. — Grad. Student.
Solomon Blum.—Grad. Student.
James Wallace Bryan.—Atty at Law, Balt.
Jenks Cameron.—Colfax, Wash.
James Bayard Gregg Custis, Jr.—Student Homeopath. Med. Coll. N. Y.
Alphonse Raymond Vivian Dochez.—Med. Student.
Theodore Wesley Glocker. — Fellow, Polit. Econ.
John Alan Haughton.—Baltimore.
Franklin Hazlehurst, Jr.—Med. Student.
Moses Walton Hendry.—Class Instr. High School, Camden, N. J.
John Coffey Hildt, Ph. D. 1906.
Eben Charles Hill.—Med. Student.
Richard Curzon Hoffman, Jr.—Baltimore.
Stuart Cator Hopper.—Baltimore.
Robert Sampson Lanier.—New York.
Charles Alexander Marshall.—Baltimore.
Rev. Benjamin Wilcher Meeks.—Clergyman, Balt.
McHardy Mower.—Student of Law, S. C. Coll. Columbia.
William Urwick Murkland.—Cerro de Pasco, Peru.
John Marbury Nelson, Jr.—Baltimore.
Rev. Robert James Nicholson.
Robinson Cator Pagon.—Baltimore.
William Turner Parsons.—Med. Student.
Eugene Leo Pessagno.—Med. Student.
Harry Ward Plaggemeyer. — Med. Student.
Charles Woodward Riley.—Med. Student.
Charles Albert Robinson, Jr., M. E. Cornell 1906.—N. Y. Telephone Co.
Edgar Poe Sandrock.—Med. Student.
Joseph Tate Smith, Jr.—Med. Student.
Wilton Snowden, Jr.—Law Student, Univ. of Md.
Philip Rayner Straus.—Baltimore.
George Drayton Strayer, Columbia (Fellow, 1904-05, Ph. D. 1905).—Instr. Educ. Teachers Coll. N. Y.
Charles Henry Stubenrauch.—Med. Student.
Harry King Tootle.—Student of Law, St. Joseph, Mo.
George William Townsend.—Civil Engr., Cumberland, Md.
James de Lancey Ver Planck.—Fishkill, N. Y.
Harry Augustus Warner, S. B., Princeton, 1904.
Milton Charles Winternitz. — Med. Student.
Alexander Yearley, 3d.—Law Student, Univ. of Md. (46)

1904

Sidney Herman Adler.
Charles Robert Austrian.—Med. Student.
Jesse Lee Bennett.—New York.
Joseph Robson Bromwell Branch.—Med. Student.
William Edmonston Crozier, Instr. Ala. Polytech. 1904-05.—Phila.
Philip Dettelbach.—Oil City, Pa.
John William Emig.
Sidney Charles Erlanger.—Baltimore.
George Andrew Foster.
Ralph Ottomar Fuerbringer.—Med. Student.
Alfred Logsdon Geiger.—Baltimore.
Josias Clerk Lee Hawkins.—Baltimore.
Harry H. Humrichouse.—Baltimore.
William Muse Hunley.—Grad. Student.
Andrew Dickson Jones, Jr. — New York.
Walter William Kohn—Baltimore.
Wilbur Leslie LeCron.—Med. Student.
Roy Stiles Licking.—New York.
Henry Loane Lloyd.—Law Student, Univ. of Md.
Henry Charles Ernest Louis, M. E. Cornell, 1906.
William Howard Matthai. — Baltimore.
John McGlone, M. E. Cornell, 1906.
Henry Clay Miller.—Baltimore.
Harry Edward Muhly.—Baltimore.
Clarence Alfred Neal.—Baltimore.
Reginald Stevenson Opie. — Baltimore.
Frank Gibson Porter.—Med. Student.
Merrill Rosenfeld.—Baltimore.
Gerald Benjamin Rosenheim.—Law Student, Columbia.
Charles Henry Saylor. — Fellow, Greek.
Samuel Hyman Schapiro.—Manila, P. I.

John Bushrod Schwatka.—Med. Student.
Frank Stollenwerck, Jr.—Law Student, Harvard.
Lyttleton Morgan Tough, Jr.—Fort Wayne, Ind.
Leonard Griffith Wallis.—Baltimore.
Newton Edward Washington Wayson.—Asst. Chem. Coll. P. and S. Milwaukee.
Luther Martin Reynolds Willis.—Law Student, Univ. of Md. (37)

1905

Walter Albert Baetjer.—Med. Student.
Byron Treat Banghart. — Engr., Corry, Pa.
James Alvin Bass.—Med. Student.
Benjamin Abram Bernstein.—Univ. Scholar.
William Graham Boyce.—Baltimore.
Riggin Buckler.—Student, Mass. Inst. Tech.
John Francis Cremen.—Univ. Scholar.
Walter David Eiseman.
Leman Edwin Goldman.—Baltimore.
Rufus King Goodenow, Jr.—Baltimore.
Robertson Griswold.—Law Student, Univ. of Md.
Hugh Asbury Hackett.—Asst. Biol., Western Univ. of Pa., Pittsburg.
William Harkinson Hudgins.—Law Student, Univ. of Md.
Andrew Wilmer Hull. — Student, Mass. Inst. Tech.
John Long Jackson.—Student, Va. Theol. Sem., Alexandria.
Richard Newton Jackson.—Baltimore.
Irving Henry Kohn.—Baltimore.
Thomas Poole Maynard.—Grad. Student.
Jonathan Earle Mifflin.—Jacksonville, Fla.
Edward Leyburn Moreland. — Student, Mass. Inst. Tech.
Harmon Vail Morse.—Grad. Student.
Thomas Owings. — Student, Mass. Inst. Tech.
William Watters Pagon.—Student, Mass. Inst. Tech.
Sifford Pearre.—Baltimore.
Nathan Pumphrey Pitcher.—Baltimore.
Carl Samuel Stern.—New York.
William Ringgold Straughn.—Instr. Normal Sch., Millersville, Pa.
Thomas Shenton Strobhar.
John Morris Super.—Baltimore.
Isaac Chandler Walker.—Med. Student.
Gustav Herman Woltereck. — Med. Student.
Lawrence Counselman Wroth.—Librarian, Md. Diocesan Libr., Balt.
Robert Bamford Zeigler.—Student, Drew Theol. Sem., Madison, N. J.
(33)
(872)

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[1] Proficient in Applied Electricity

When the institution is not named, this university is to be understood. (F) indicates that the person has held a fellowship here. *—Died.

1889

Cary Talcott Hutchinson, (F), Ph. B. Wash. Univ. 1886; Ph. D., 1889, Acting Assoc. Prof. Elec. 1898-99.—Consulting Eng., N. Y.
Joseph Lee Jayne, U. S. Naval Acad. 1882; Lieut. U. S. Navy; Bureau of Elec. Navy Dept. Wash.
Henry Hazlehurst Wiegand, A. B. 1885.—Elec. Eng. Balt.
*Gilbert Wilkes, U. S. Naval Acad. 1881; Lecturer, Univ. of Wis. 1892-94. (4)

1890

William Julian Albert Bliss, A. B. Harvard 1888; Ph. D. 1894; Instr. Woman's Coll. Balt. 1894-95.—Coll. Prof. Physics.
James Shaler Hodges, A. B. 1886.—Elec. Engr. Balt. (2)

1891

Charles Griffin Edwards, S. B. St. John's 1889.—Asst. Engr. Elec. Commission, Balt.; Grad. Student. (1)

1892

*Ezra Carl Breithaupt. *January 27, 1897.
William Hand Browne, Jr. A. B. 1890; Instr. Univ. of Neb. 1896-98; Asst. Prof. Univ. of Ill. 1898-1902.—Tech. Ed. *Electrical Review*, N. Y.
*Henry Wakefield Frye, A. B. Colby 1889. *June 20, 1895.
George Henry Hutton, Jr.—Baltimore.
Robert Ernest Hutton.—Instr. Elec. Wash. and Lee, Lexington, Va.
Norman Crawford McPherson, A. B. Pa. Coll. 1889.—Hagerstown, Md.
Hugh Pattison.—Pa. Steel Co. Harrisburg.
Charles William Waldner, (F), A. B. 1896, Ph. D. 1898, Asst. 1898-99; Instr. Williams 1899-1901.—Physicist, Bureau of Standards, Wash.
Arthur Judson Warner, A. B. Marietta 1899.—San Francisco, Cal. (9)

1893

Louis Minturn Aspinwall.—Elec. Eng. Wilkinsburg, Pa.

Shellman Baer Brown, A. B. 1891.—Civil Engineer, Annapolis, Md.
Sidney Hand Browne, A. B. 1891.—Elec. Engr. Boston.
Eugene Russell Carichoff, A. M. Wash. and Lee 1885.—Sprague Elec. Co. N. Y.
Howard Waters Doughty, (F), Ph. D. 1904.—Asst. Chem. Univ. of Mo. Columbia.
Harold Mills Dyar, Ph. B. Marietta 1888.—Moultrieville, S. C.
Irenus Kittredge Hamilton, S. B. Trinity (Conn.) 1891.—Chicago, Ill.
William Winder Handy, S. B. Haverford 1891.—Elec. Eng. Balt.
Charles Roy McKay.—Sprague Elec. Co. N. Y.
William Robinson Molinard.
*Arthur Lacy Reese. **March* 12, 1894.
Arthur John Rowland.—Prof. Elec. Eng. Drexel Inst. Phila.
William Frederick Schulz, E. E. Univ. of Ill. 1890.—Instr. Physics, Univ. of Ill. Urbana.
Robert Isaac Todd.—Gen. Manager, Cincinnati Traction Co.
John Boswell Whitehead, Jr. A. B. 1898, Ph. D. 1902.—Assoc. Prof. Electricity. (15)

1894

William Pierce Anderson, A. B. Harvard 1892.
John Woodside Corning.—Elec. Engr. Boston.
Lewis Warrington Cottman.—Baltimore.
Harvey Cavendish Darrell. — Baltimore.
Peter Conover Hains, Jr. U. S. Naval Acad. 1893.—U. S. Artillery, Ft. Riley, Kan.
Stephen Quentin Hayes, A. B. Georgetown (D. C.) 1892.—Westinghouse Co. Pittsburg.
Douglas Alexander Howard, U. S. Mil. Acad. 1878.—Captain (retired), U. S. A.
Andrew Ellicott Maccoun.—Electrician, Carnegie Steel Co. Pittsburg.
James Warren McCrosky, S. B. Univ. of Neb. 1891.—Electrician, Buenos Ayres.
Henry Hutchinson Norris, M. E. Cornell.—Prof. Elec. Eng. Cornell.
Charles Edward Phelps, Jr.—Chief Eng. Elec. Commission, Balt.
Alfred Magill Randolph, Jr. A. B. 1891.—Elec. Engr. Manchester, Eng.
Samuel Reber, U. S. Mil. Acad. 1886. —Colonel, and Instr. Signal Service, U. S. A.
Franklin Roberts.—Elec. Engr. Balt.
Theodore Straus.—Baltimore.
John Saunders Taylor.—Atty. at Law, Norfolk, Va.
Frank McStocker Thomas.—Electrician, Philadelphia.
Wallace Durant White.—Baltimore.
James Watts Young. (19)

1895

Harry Bissing, A. B. 1895. — Elec. Engr. N. Y.
Byron Briggs Brackett, A. B. Syracuse 1890; Ph. D. 1897; Instr. Union 1897-98, Wash. High School 1898-1900, Rutgers 1900-03.—Prof. Phys. and Electr. Clarkson School of Tech. Potsdam, N. Y.
Benjamin Harrison Branch.—Ellicott City, Md.
Edson Fessenden Gallaudet, Yale (A. B. 1893, Instr. 1896-00); Ph. D. 1896.—Engineer, Dayton, O.
George Henry Hill, A. B. Williamsport Dickinson Sem. 1891.—Gen. Elec. Co. Schenectady, N. Y.
Alexander McIver, Jr. A. B. Univ. of N. C. 1890.—Gen. Elec. Co. Schenectady.
Joseph Mullen, Jr. — Elec. Engr. Petersburg, Va.
Charles Reutlinger. — Elec. Engr. Balt.
John Jacob Rothermel, A. B. Franklin and Marshall 1893.—Instr. Physics, Wash. High School.
Frank Semple Wilcox, S. C. Mil. Acad. 1893. (10)

1896

Matthew Maury Corbin.—Gen. Elec. Co. Schenectady, N. Y.
Isidor Deutsch.
Hugh Miller Fraser, S. B. Ky. State 1889.—Electrician, Lexington, Ky.
James Holdsworth Gordon, Jr.—Electrician, N. Y. Telephone Co.
Horace Marshall Harriman, Jr.—Elec. Engr. Baltimore.
Malcolm Wescott Hill.—Elec. Contractor, Baltimore.
George Harwood Hodges.—Electrician, N. Y. Telephone Co.
Jasper Alan McCaskell, S. B. Loyola 1895; E. M. Columbia 1900.—Chicago.
George Stevens Maynard, A. B. 1894. —Gen. Elec. Co. Schenectady, N. Y.
Henry Todd Powell.—U. S. Revenue Cutter Service.
Charles Leonard Reeder.—Consulting Engr. Baltimore.
Martin Schwab.—Elec. Engr. Baltimore.
James Mowton Saunders Waring. (13)

1897

Wyatt Hamilton Allen, Ph. B. Yale 1896.—Elec. Engr. N. Y.
*Joseph Hockman Bowman, A. B. Franklin and Marshall 1893. **January* 20, 1904.
Walter Herman Eisenbrandt.—Elec. Engr. Baltimore.
David Sterrett Pindell, A. B. 1895.—Elec. Engr. Sault Ste. Marie, Mich. (4)

1898

George Edward Bartell.—Baltimore.
William Burke Brady, M. E. Lehigh 1897.
*Edmund Frank, S. B. Rose Polytech. 1897. **July*, 1901.
William Schrofield Gorsuch, Jr.—Elec. Engr. Balt.
Richard Cameron Haldeman, A. B. Yale 1896.—Westinghouse Co. Pittsburg.
William Lemmon Hodges.—Electrician, Philadelphia.
Ferdinand Brauns Keidel. — Elec. Engr. Balt.
Bertram Motter Kershner. — Elec. Engr. St. Louis.
Charles J. Spencer.—Electrician, Williamsburg, Pa. (9)

1899

James Robert Charlton Armstrong, A. B. 1899.—Gen. Elec. Co. N. Y.
Robert Buchanan Beale, S. B. Md. Agric. 1896.—Gen. Elec. Co. Schenectady, N. Y.
Reinier Koller Beeuwkes.—Electrician, N. Y.
William Trout Everett.
James William Swaine.—Elec. Engr. Balt. (5)
(91)

Libraries

1. The University Library numbers 130,000 bound volumes, selected with special reference to the instruction here given. It is arranged in several collections, of which these are the chief:

General Reference.	Oriental Languages.
Historical and Political.	Modern Languages.
Mathematical and Physical.	The McCoy Art Library.
Chemical.	Medicine.
Biological.	Physiology and Anatomy.
Geological.	Philosophy and Psychology.
Classical.	

The reference library and reading room is open daily from 9 a. m. to 6 p. m.; the other rooms in accordance with special regulations.

The library receives the publications of the leading scientific societies of the world and the chief literary and scientific periodicals. The whole number of serials received exceeds fifteen hundred. This list is supplemented by those of the Peabody Institute and other institutions, so that the whole number of journals accessible (exclusive of ephemeral publications) exceeds two thousand. Important books are received by the library as soon as published, by purchase or by the courtesy of dealers.

2. The Peabody Library is a choice collection of books purchased since 1866. It is particularly full in academic transactions, long historical series, and costly illustrated books. It numbers 157,000 volumes, well bound, catalogued, and arranged. It is open daily, without charge, from 9 a. m. to 10.30 p. m.

3. The Enoch Pratt Free Library numbers 240,000 volumes and is open daily, without charge.

4. The Maryland Historical Society Library contains 42,000 volumes of historical works and is open daily.

5. Other libraries of Baltimore are the New Mercantile Library (80,000 volumes), the Bar Library (22,000 volumes), the Medical and Chirurgical Library (15,000 volumes), the Maryland Diocesan Library (32,000 volumes).

6. Washington is so near that its museums and libraries may be easily visited. Among the chief institutions of interest to students are these:

The Library of Congress.
The Smithsonian Institution and National Museum.
The Army Medical and Surgical Museum and Library.
The U. S. Coast and Geodetic Survey.
The U. S. Geological Survey.
The U. S. Naval Observatory.
The Libraries of the Departments and Bureaus.
The Corcoran Art Gallery.

Publications Issued at The Johns Hopkins University

I. American Journal of Mathematics

This journal was commenced in 1878, under the editorial direction of Professor Sylvester. Professor Frank Morley is now the editor. Twenty-seven volumes of about 400 pages each have been issued, and the twenty-eighth is in progress. It appears quarterly. Subscription $5 per year (foreign postage 50 cents). Single numbers $1.50. A few complete sets remain. These will be sold for $125 per set.

II. American Chemical Journal

This journal was commenced in 1879, with Professor Remsen as editor. Thirty-four volumes have been issued, and the thirty-fifth is in progress. This journal appears monthly. Two volumes of six numbers and of about 500 pages each are issued yearly. Subscription $5 per year (foreign postage 50 cents). Single numbers 50 cents.

III. American Journal of Philology

The publication of this journal commenced in 1880 under the editorial direction of Professor Gildersleeve. Twenty-six volumes of about 500 pages each have been issued, and the twenty-seventh is in progress. It appears four times yearly. Subscription $3 per volume (foreign postage 50 cents). Single numbers $1.

IV. Studies from the Biological Laboratory

The publication of these papers commenced in 1879, under the direction of Professor Martin, with the assistance of Professor W. K. Brooks. Five volumes of about 500 pages, octavo, and 40 plates each have been issued.

V. Studies in Historical and Political Science

The publication of these papers was begun in 1882, under the editorial direction of Professor H. B. Adams. Professors Vincent, Willoughby, and Hollander are now the editors. Twenty-three series are now completed and the twenty-fourth series is in progress. A number of extra volumes have also been issued. Subscription $3 per volume (foreign postage 50 cents). The set of twenty-three regular series will be sold for eighty dollars net.

VI. Memoirs from the Biological Laboratory

These monographs are issued under the editorial direction of Professor W. K. Brooks. Volume V is now complete.

VII. Johns Hopkins University Circular

The publication of these Circulars began in December, 1879, and 186 numbers have since been issued. Subscription $1.00 per year.

VIII. Contributions to Assyriology and Semitic Philology

The publication of this journal was begun in 1889. Professor Paul Haupt, of the Johns Hopkins University, and Professor Friedrich Delitzsch, of the University of Berlin, are the editors. Volume V is complete.

IX. Reprint of Economic Tracts

Professor J. H. Hollander, editor. First Series, 1903, $1.50; Second Series in progress, $1.00.

X. The Johns Hopkins Hospital Reports

These reports are edited by the Medical Faculty of the University and published for the Johns Hopkins Hospital. Their publication was begun in 1890. Volume XIII is in progress. Price $5 per volume (foreign postage, 50 cents). The set of twelve volumes will be sold for sixty-five dollars.

XI. The Johns Hopkins Hospital Bulletin

The publication of this Bulletin began in 1889. It is published monthly. Volume XVII is in progress. Subscription $2.00 per year (foreign postage, 50 cents).

XII. Modern Language Notes.

This journal is edited by Professor A. M. Elliott and his associates in the Modern Language Department. It appears monthly. The twenty-first volume is in progress. Price $1.50 per year (foreign postage, 25 cents).

XIII. American Journal of Insanity

This journal is under the direction of Professor Henry M. Hurd as editor in chief. It appears quarterly. Subscription $5 per year.

XIV. Terrestrial Magnetism and Atmospheric Electricity

This journal is edited by Dr. L. A. Bauer. It appears quarterly. Volume XI is in progress. Subscription $2.50 per year (foreign postage, 25 cents).

XV. Reports of the Maryland Geological Survey

These reports are under the editorial direction of Professor W. B. Clark, Director of the Survey.

XVI. Reports of the Maryland Weather Service

These reports are under the direction of Professor William B. Clark, Director of the Service.

XVII. Annual Report

Presented by the President to the Board of Trustees, reviewing the operations of the university during the past academic year.

XVIII. Annual Register

Giving the list of the officers and students and containing detailed statements as to the regulations and work of the university.

Announcements of the Graduate, Collegiate, and Medical Courses of Instruction are issued yearly and will be sent on application.

Some of the principal separate publications issued by the Johns Hopkins Press are:

THE PHYSICAL PAPERS OF HENRY A. ROWLAND. 716 pages, royal octavo. $7.50.

BALTIMORE LECTURES ON MOLECULAR DYNAMICS AND THE WAVE THEORY OF LIGHT. By Lord Kelvin. 716 pages, octavo. $4.50.

PHOTOGRAPHIC REPRODUCTION OF THE KASHMIRIAN ATHARVA-VEDA. Edited by Professor Bloomfield. 3 vols., folio. $50.

STUDIES IN HONOR OF PROFESSOR GILDERSLEEVE. 527 pages, octavo. $6.00.

PHOTOGRAPHS OF THE NORMAL SOLAR SPECTRUM. By Professor H. A. Rowland. Set of ten plates, $20.

A NEW CRITICAL EDITION OF THE HEBREW TEXT OF THE OLD TESTAMENT. By Paul Haupt. Now in progress. Prospectus on application.

A COMPLETE FACSIMILE EDITION OF THE TEACHING OF THE APOSTLES. 110 pages quarto and 10 plates. $5.00.

REPRODUCTION OF A SYRIAC MANUSCRIPT OF THE ANTILEGOMENA EPISTLES. 17 phototype plates. $3.00.

SELECTIONS FROM THE EARLY SCOTTISH POETS. By William Hand Browne. $1.25.

A MONOGRAPH OF THE GENUS SALPA. By W. K. Brooks. 400 pages and 57 plates. $7.50.

THE FINANCIAL HISTORY OF BALTIMORE. By J. H. Hollander. 400 pages, 8vo. $2.00.

CUBA AND INTERNATIONAL RELATIONS. By J. M. Callahan. 503 pages, 8vo. $3.00.

THE AMERICAN WORKMAN. By E. Levasseur. (Translation). 540 pages, 8vo. $3.00.

STUDIES IN TYPHOID FEVER. By William Osler and others. Series I, II, III. 776 pages, 8vo. $5.00.

THE MALARIAL FEVERS OF BALTIMORE. By W. S. Thayer and others. 280 pages, 8vo. $2.75.

STUDIES IN STATE TAXATION WITH PARTICULAR REFERENCE TO THE SOUTHERN STATES. 254 pages, 8vo. $1.25.

POEMA DE FERNAN GONÇALEZ. Critical Text by C. Carroll Marden. 274 pages, 8vo. $2.50.

THE TAILL OF RAUF COILYEAR. Edited by William Hand Browne. 164 pages, 8vo. $1.00.

ECCLESIASTES. A New Metrical Translation. By Paul Haupt. 50 pages. 50 cents.

THE OYSTER. By William K. Brooks. 225 pages with 16 plates. $1.

BIBLIOGRAPHIA HOPKINSIENSIS. A list of publications by members of the university. Now in progress.

DISSERTATIONS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN THE JOHNS HOPKINS UNIVERSITY.

REGULATIONS OF THE TREASURER'S OFFICE

I. The Treasurer's Office is open daily from 9 a. m. to 4 p. m.

II. All bills should be presented at that place, endorsed as correct by the person under whose authority the expense has been incurred.

III. No member of the academic staff is allowed to incur a bill in the name of the university, unless authority is given for the same by the Trustees, in advance, either as an item in the annual budget, or as a special appropriation. Blank forms of application are provided for special requisitions.

IV. Orders for books and apparatus to be imported from Europe will not be considered authorized, unless countersigned by the President or the Treasurer of the university.

All goods must be consigned to and addressed "The Johns Hopkins University, Baltimore, Md." Goods for other parties (societies or individuals) must not be included in the university cases. Invoices, sworn to before the U. S. Consul, must be sent by mail, and a duplicate invoice by the following mail, both addressed to The Johns Hopkins University.

Unless otherwise ordered, goods from Europe should be sent as follows:

From Germany by the North German Lloyd steamers sailing for Baltimore from Bremen; from England by steamship lines from Liverpool to Baltimore; from France and Italy, via Havre and Liverpool.

Printed copies of instructions to shippers, which can be obtained at the Treasurer's Office should in all cases be enclosed with the orders.

V. The Treasurer's Office will make purchases, at wholesale rates, of supplies which are required for the current needs of the university.

VI. Such pass books as are authorized by the Treasurer should be presented for balance and settlement every month.

VII. The wages of all persons employed by the university will be paid at the Treasurer's Office.

VIII. When C. O. D. packages are expected, previous arrangements should be made for their reception.

IX. Outlays made for individuals (express parcels, postage, telegraph messages, etc.) should be settled at once.

X. An annual allowance is made by the Trustees, in the budget, for such expenses as they approve, and in deciding on the items they are

governed by a consideration of the general interests of the university, as well as by the needs of special branches of instruction. Balances to the debit or credit of any account are carried forward to the new account at the opening of each financial year (September 1). A statement of the amount of the balance and of any additional appropriation will be communicated to the parties severally interested, if requested, after the Trustees' meeting in October.

Scientific Societies

1. The Scientific Association, meeting monthly, under the presidency of Professor Ames.
2. The Philological Association, meeting monthly, under the presidency of Professor Gildersleeve.
3. The Historical and Political Science Association, meeting fortnightly.
4. Naturalists' Field Club, which makes weekly excursions during the spring and autumn and holds monthly meetings for the presentation and discussion of papers.

There are also companies which meet weekly in the laboratories for the reading of the scientific journals, and seminaries in several departments of study.

Historical Statement

The Johns Hopkins University was founded by the munificence of a citizen of Baltimore, Johns Hopkins, who bequeathed the most of his large estate for the establishment of a University and a Hospital.

1867, August 24.	Incorporation of the Johns Hopkins University.
1870, June 13.	Organization of the Board of Trustees.
1873, December 24.	Death of the Founder [born May 19, 1795].
1874, February 6.	First Business Meeting of the Trustees.
1874, December 30.	Election of a President of the University.
1876, February 22.	Inauguration of President Gilman.
1876, October 3.	Instruction of students began.
1886, April 26.	Celebration of the Tenth Anniversary.
1889, May 7.	Opening of the Johns Hopkins Hospital.
1893, October 1.	Opening of the Medical Department.
1894, October 1.	Opening of McCoy Hall.
1901, February 22.	Resignation of President Gilman.
1901, June 3.	Election of President Remsen.
1902, February 21, 22.	Celebration of the Twenty-fifth Anniversary.
1902, February 22.	Inauguration of President Remsen.
1902, February 22.	Gift of a New Site for the University.
1902, July 1.	Gift of a Million-Dollar Endowment Fund.

STATEMENTS IN RESPECT TO THE COURSES OF INSTRUCTION

The Johns Hopkins University offers instruction to the following classes of students :

I. UNDER THE FACULTY OF PHILOOPHY

1. College graduates, who may proceed to the degree of Doctor of Philosophy, or may work for longer or shorter periods in the various seminaries and laboratories without reference to a degree.

2. Undergraduate students looking forward to the degree of Bachelor of Arts and following any one of five parallel groups of study.

3. Students who have not taken a degree and are not looking forward to a degree, but who desire to avail themselves of the opportunities here afforded.

II. UNDER THE FACULTY OF MEDICINE

1. Candidates for the degree of Doctor of Medicine, for whom a four years' course is provided. These candidates must be college graduates, or must give evidence, by examination, that they possess attainments indicated by a baccalaureate degree in arts or science. Women are admitted on the same terms as men.

2. Doctors of Medicine desiring to pursue certain special courses, which are annually announced.

I. FACULTY OF PHILOSOPHY

Advanced and graduate students are received whether they are candidates for a degree or not, and they are permitted to attend such lectures and exercises as they may select. On enter-

ing the university they are expected to present their diplomas and certificates from the institutions with which they have been connected, and also letters of introduction. They are not examined by the university for admission, but each instructor satisfies himself of the attainments of those who wish to follow his guidance, before admitting them to his classes.

The professors are free to give personal counsel and instruction to those who seek it; books and instruments adapted to investigation and advanced work have been liberally provided; seminaries limited to a few advanced students have been organized in various subjects; societies devoted to philology, to mathematical, physical, and natural science, and to history and political science, afford opportunities for the presentation of memoirs and original communications, and there are also clubs for the reading and discussion of philological, biological, physical, geological, and chemical papers; during the year courses of lectures are given by resident and non-resident professors on topics to which they have given special attention; the libraries of the Peabody Institute and Maryland Historical Society, founded for the advantage of scholars, are easily accessible; the issuing, under the auspices of the Trustees, of publications devoted to mathematics, chemistry, philology, biology, the modern languages, and history, brings the university into advantageous connection with other foundations; and the university reading room, which is constantly open, is liberally supplied with new and standard books and with the literary and scientific journals of this and other lands.

Instruction is carried on in the different departments by methods which vary with the nature of the subject and the character and proficiency of the scholars; but in all alike the end is the same,—that, while the student is becoming familiar with the work prosecuted and the results attained elsewhere, and is adding to his general intellectual culture, he may be encouraged to become himself an independent and original investigator in his chosen field of labor. Within reasonable limits the university will provide such books, apparatus, and material as may be requisite for this purpose.

The principal subjects in which advanced instruction is now provided are these :

Mathematics.
Physics.
Chemistry.
Geology, Mineralogy, and Petrography.
Zoology.
Botany.
Physiology.
Anatomy.
Pathology.
Greek.
Classical Archæology.
Latin.
Sanskrit and Comparative Philology.
Semitic Languages.
Anglo-Saxon and English.
Romance Languages.
German.
History.
Political Economy.
Political Science.
Philosophy and Psychology.

Mathematics

The instruction in Mathematics is under the charge of Professor Morley, with the aid of Dr. Hulburt, Collegiate Professor of Mathematics, Dr. Cohen, Associate, and Dr. Coble, Instructor.

The less advanced subjects are nearly the same every year. The more advanced courses vary from year to year, and are so arranged that a student who remains here two or three years may receive continued and systematic guidance in the main lines of modern mathematical research. The subjects of the advanced courses may be broadly classified as follows :

Theory of Numbers, Theory of Finite Groups, Theory of Transformation Groups, Theory of Invariants.

Higher Plane Curves, Line Geometry, Geometry of Circles and Spheres, General Projective Geometry, Differential Geometry.

Theory of Functions of Real Variables, Theory of Functions of a Complex Variable, Theory of Functions of Two Complex Variables ; Elliptic Functions, Elliptic Modular Functions ; General Automorphic Functions, Abelian Functions, Ordinary Differential Equations, Partial Differential Equations ; Calculus of Variations.

Kinematics, Theoretical Dynamics, Theory of the Potential, Theory of Probabilities.

The Mathematical Seminary meets weekly.

Undergraduates are annually instructed in Elementary Analytic Geometry, Theory of Equations, Elements of Projective Geometry, Differential and Integral Calculus, Differential Equations, Solid Analytic Geometry.

A large number of mathematical journals are regularly received, besides the publications of learned societies abroad and at home. Among the journals received are the following (the asterisk indicating full sets) :

Journal für die reine und angewandte Mathematik* (Crelle) ; Journal de Mathématiques pures et appliquées* (Liouville) ; Comptes Rendus ; Mathematische Annalen* ; Monatshefte für Mathematik and Physik* ; L'Intermédiare des Mathématiciens* ; Bulletin des Sciences mathématiques* ; Journal de l'École Polytechnique ; Annales de l'École Normale ; American Journal of Mathematics* ; Annali di Matematica* ; Giornale di Matematica* ; Acta Mathematica* ; Archiv für Mathematik und Physik* (Grunert) ; Zeitschrift für Mathematik und Physik* ; Proceedings of the London Mathematical Society* ; Bulletin of the American Mathematical Society* ; Transactions of the American Mathematical Society* ; Bulletin de la Société mathématique de France* ; Rendiconti del Circolo Matematico di Palermo* ; Quarterly Journal of Mathematics* ; Messenger of Mathematics ; Annals of Mathematics.*

The university has a collection of about two hundred and thirty geometrical models, illustrating the forms of mathematical solids, surfaces, and curves, their singularities and varieties, and the method of descriptive geometry by which they are represented on a plane.

The American Journal of Mathematics, founded by Professor Sylvester, and edited successively by Professor Craig, Professor Newcomb, and Professor Morley, has completed its twenty-seventh volume. Beginning with volume X, there has been published in each volume the portrait of an eminent mathematician. Those so far published, in order of publication, are as follows: Sylvester, Hermite, Poincaré, Cayley, Klein, Halphen, Lie, Picard, Appell, Fuchs, Darboux, Newcomb, Mittag-Leffler, Salmon, Peirce, Cremona, Noether, Hill, G. Cantor.

Physics

The instruction in Physics is under the charge of Professor Ames, Director of the laboratory, with the aid of Professor Wood, Collegiate Professor Bliss, Associate Professor Whitehead, and several assistants.

The laboratory is a substantial brick building 117 feet long by 71 feet wide, with five stories besides a basement and a sub-basement, and is so situated as to receive light from all sides. Power and heat are furnished from separate buildings.

The physical apparatus includes an equipment for lectures and demonstrations and a valuable collection of instruments for both elementary work and research. Many of these have been made from special designs, others are standard instruments which have been purchased from European and American makers; all of them have been most carefully selected. Special facilities, in some cases almost unique, are afforded those wishing to carry on investigations in electricity and in light.

The physical and mathematical libraries of the university are now placed in McCoy Hall, where they are easily accessible at any time. The physical section contains complete sets of almost all the physical journals published in this country and abroad, and all the standard books of the present and the past. About sixty periodicals, English, French, German, and Italian, are received. Certain magazines and books of reference are retained in the Seminary room of the laboratory, where the advanced students can consult them at any moment. This small collection is especially selected each year with reference to the courses of advanced instruction offered that year. Among the magazines kept on file in the laboratory are the following:

Philosophical Magazine, Physical Review, The Astrophysical Journal, Annalen der Physik and Beiblätter, Physikalische Zeitschrift, Journal de Physique, Comptes Rendus, Proceedings and Transactions of the Royal Society of London, the Proceedings of the London Physical Society, L'Éclairage Électrique, and the Electrician (London.)

Through the generosity of a former student, a special collection

of spectrum-maps and of books and pamphlets dealing with spectroscopy is now being made, and will be kept in the laboratory for the use of students.

Instruction and facilities for work in the laboratory are offered all classes of students, elementary and advanced. The following is a general view of the courses :

Lectures

First Year Course.—This is intended for students who are beginning Physics, or who have not a sufficient knowledge of the principles of the subject to warrant their undertaking more advanced work. To enter this course a student must be able to use logarithms and must have studied plane trigonometry, at least as far as through the solution of right-angled triangles. The lectures are accompanied by demonstrations ; and mechanics, sound, heat, electricity and magnetism, and light are taken up in succession. Recitations on the subjects treated in the lectures are held regularly, and the course continues three hours weekly, through the year. Along with the lectures the student does work in the laboratory, performing a few simple quantitative experiments, which illustrate the facts and principles considered in the class-room.

Second Year Course.—This course is divided into two sections ; one following Mechanics, Acoustics and Electricity ; the other, Heat and Light. The former is more mathematical than the latter, and serves as an introduction to mathematical-physics. These are designed to meet the needs of students who have already taken either the first year's course, or its equivalent, and who wish to pursue further their physical studies. A working knowledge of analytic geometry and calculus is required for admission to them. The lectures take up both the descriptive and the mathematical side of the subject. Recitations are held regularly, and the course continues through the year, each requiring three hours weekly.

Advanced Work.—For the instruction of those students who

have the necessary preparation, certain lectures are given in Mathematical Physics. There is one course, continuing through three years, which includes Mechanics, Hydrodynamics, Sound, Thermodynamics, Heat Conduction, Physical Optics, Electricity and Magnetism. A second course of lectures is given, in which different subjects are treated in different years. During the year 1905–06, the topic was Physical Optics.

These lectures develop the mathematical theory of the subjects, and to follow them the student should have a satisfactory knowledge of differential equations and analytic geometry of three dimensions. Authors like Lord Kelvin, Lord Rayleigh, Maxwell, von Helmholtz, and Poincaré are referred to continually, and the ability to read French and German is absolutely necessary.

Other lectures are given on such subjects as the Kinetic Theory of Gases, Radio-Activity, Conduction of Electricity by Gases, Photography, etc. These are brief courses and vary from year to year.

There are also courses of instruction, both theoretical and practical, in Applied Electricity. They are intended for graduate students only.

A course of lectures is also given in Astro-Physics, which is accompanied by regular work with the spectroscope and in the observatory.

Journal Meetings and Seminary

The advanced students meet with the instructors once a week for the discussion of the current physical journals. Carefully prepared reports on various articles are here presented.

The Physical Seminary, to which only the most advanced students are admitted, meets once each week. The work of the Seminary consists of two distinct exercises: one is the reading of some physical treatise and a consideration of the problems suggested by it; the other is the presentation of critical papers upon various assigned topics in connection with the courses of lectures.

Laboratory Work

An effort is made to render the laboratory as useful as possible to advanced students and investigators. Those who are prepared for such work, will have the facilities which it affords placed most freely at their disposal, and will receive all possible assistance.

Regular courses of instruction are arranged for undergraduate students and for others who have had no experience.

Chemistry

The instruction in Chemistry is under the charge of President Remsen, Director of the laboratory, and Professor Morse, Adjunct Director, with the coöperation of Professors Renouf and Jones, Dr. Gilpin and Dr. Acree, Associates, and Dr. Tingle, Assistant.

The higher or graduate work is based upon that given in the four years' undergraduate course, and those graduates of other colleges who have not followed courses equivalent to this, begin with that part of the undergraduate work which appears best suited to their needs. The following outline of the work will give some idea of its character.

Undergraduate Courses

Professor Renouf and Dr. Gilpin.

Courses are offered for four years. Each course consists of three lectures or reviews and six hours of laboratory work weekly, under the guidance of Professor Renouf, Dr. Gilpin, and assistants.

The courses of the first three years are required courses for those students who intend to study medicine or chemistry as a profession. The fourth year course is an elective one for students of chemistry.

First Year.—1. Lectures by Professor Renouf. The ground

covered is approximately that laid down in Remsen's "Introduction to the Study of Chemistry." Toward the close of the year about twelve lectures on organic chemistry are given.

II. The laboratory work consists of the experiments described in the text book, and simple qualitative analysis.

Second Year.—I. Lectures by Dr. Gilpin. Advanced inorganic chemistry, including physical chemistry.

II. Laboratory work. Qualitative analysis and inorganic preparations.

Third Year.—I. Lectures by Dr. Gilpin. Organic chemistry.

II. Laboratory work. Organic preparations and simple organic analysis.

Fourth Year.—(Elective). Lectures by Professor Renouf. The lecture topics of the fourth year will be chosen from higher inorganic chemistry, historical chemistry, industrial chemistry, quantitative analysis and assaying, as the needs of the students electing this course suggest, and the laboratory work of each student will be arranged to suit his especial need.

Graduate Courses

Professor Remsen, Professor Morse, Professor Renouf, Professor Jones, Dr. Acree, and Dr. Tingle.

I. Weekly journal meetings, conducted by Professor Remsen.

II. Three lectures weekly throughout the year on organic chemistry, by Professor Remsen.

III. Twice weekly and extending over two years, a course of lectures, by Professor Morse, on inorganic chemistry.

IV. Three lectures a week throughout the year on physical chemistry, by Professor Jones.

V. Laboratory work: (*a*). Qualitative analysis and inorgannic preparations under the direction of Professor Renouf. (*b*). Quantitative chemistry under the direction of Professor Morse. About one year is allotted to this work, and the course is so planned as to give the student familiarity with the greatest practicable variety of quantitative operations. (*c*). A course of physical-chemical measurements lasting about two months, under

the direction of Professor Jones. (*d*). A course in the preparation of organic compounds, under the supervision of Professor Remsen, Dr. Acree, and Dr. Tingle. The work in this direction usually occupies about three months, and has for its object a study of the more important reactions of organic chemistry. (*e*). The original investigation of problems assigned by members of the teaching staff, the results of which—if they are found to have a substantial value for the science—may be used in the preparation of the dissertation for the doctor's degree.

As regards the time required by a graduate student to complete the work for the degree of Doctor of Philosophy, it can only be said that one who has the necessary qualifications can generally do it in three years, after following such a course as that given to the undergraduates of this university who take a three years' course in chemistry. Those who have not had this preparation will generally require a longer time. There are no stereotyped courses leading to the higher degree, and it is impossible to say exactly what must be accomplished to attain it. What is desired is a certain maturity of mind with reference to the science of chemistry, and an ability to deal with chemical problems intelligently. This condition of mind is reached, if reached at all, by long-continued laboratory training accompanied by careful study of chemical journals and treatises. It may be said finally that the arrangements of the laboratory are made mainly with reference to those who wish to take up the study of chemistry in a broad way, and that those who want short courses in special branches of chemistry are not advised to come here. It is believed that whatever object the student may have in view, whether he intends to teach or to follow some branch of applied chemistry, the best preparation he can have is a thorough training in the pure science.

The American Chemical Journal, edited by Professor Remsen, is now in its thirty-sixth volume.

Geology

The instruction in Geology is under the direction of Professor Clark, assisted by Professors Reid and Mathews, Dr. Fassig, and Dr. Swartz.

The courses are offered to both graduate and undergraduate students and consist of lectures, laboratory and field work, and conferences upon topics of current literature.

I. Descriptive Mineralogy and Physiography.—The first part of this course includes a presentation of the crystallography and the physical properties of minerals, followed by a discussion of the more important economic and rock-forming mineral species. Emphasis is laid on laboratory work, which includes a careful study of crystal models and minerals, together with the identification of minerals by means of the blowpipe.

The latter part of the course is devoted to the study of physiographic geology, accompanied by laboratory work. Frequent excursions are made to neighboring points of interest, where the principles of the science are illustrated in the field. This course is designed to be introductory to the more advanced work in geology in the university.

II. Physical and Historical Geology. This course is a continuation of the preceding. It comprises a study of physical and structural geology, including the subjects of volcanoes, earthquakes, and mountain-building, together with a general discussion of historical geology.

The laboratory work includes the study of the more important rocks and the examination of the faunas of the chief geological periods. Definite areas are assigned to the students for field work, and an excursion is made in the spring to a point of particular interest for geological study. This course is illustrated by charts, maps, lantern views, and by the abundant collections possessed by the university.

III. Optical Mineralogy. This course is intended as a continuation of the first course and as a preparation for the work in petrography. The lectures include a discussion of optical and

microscopical mineralogy, especial attention being given to the physical-chemical properties of minerals and to their behavior as constituents of rock masses.

IV. Paleontology.—Attention is given both to the biological and to the geological relations of the important types of the animal and plant kingdoms, the phylogenetic history of the leading groups being traced in detail wherever possible.

V. Historical Geology.—In this course the classification and distribution of the sedimentary rocks are fully considered. The value of fossils in the determination of horizons is explained, and a detailed study made of the geological literature of the different countries of the globe.

[Courses IV and V may be given in alternate years, if thought desirable.]

VI. Economic Geology.—This course deals with the various theories regarding the genesis of ores and other economic products, and a description of the most important mining districts.

VII. Geological Physics.—In this course the methods of determining the size and shape of the earth; the cause of its present shape; the distribution of internal temperature; the magnetic conditions; the bearing of geological, physical, and astronomical phenomena on the question of the rigidity of the earth; the theory of isostasy; the age of the earth; the tides; the cause of the ice-age, etc., are discussed; also, geological phenomena, which depend directly upon physical principles, such as volcanoes, earthquakes, geysers, the flow of rivers and of glaciers, the production of folds, faults, etc., will be treated.

VIII. Exploratory and Geological Surveying.—The simple methods of determining geographical position; the methods of rapid route-surveying; the use of the plane-table, the camera, etc., are considered, with especial reference to travelers and explorers. The principles of map projection will be explained.

IX. Geological Field Methods.—This course consists in an application of the principles by actual work in the field. Definite problems involving the mapping of areal distribution, construction of vertical and columnar sections, interpretation of structure and geological history are assigned each student, under the immediate supervision of the instructor.

X. Petrography.—This course includes a discussion of methods and a description of the structures and physical properties of rocks. The second portion of the course will be devoted to the special petrography of the igneous rocks, including a study of their various classifications, and a discussion of their origin, distribution, and literature.

XI. Petrography. *Special Courses.*—Courses in special topics such as the metamorphism of rocks, physical petrography, and allied subjects, are given to such students as are qualified to take them.

XII. Meteorology.—In this course the topics chiefly considered are: Heat and its distribution over the earth's surface; rainfall and evaporation—their distribution and effects; winds and storms; weather sequences as illustrated by the daily weather charts of the U. S. Weather Bureau; extent to which topography influences the distribution of the climatic elements; variability of climates; organization and methods in statistical meteorology.

Special Lectures.—Courses of lectures by non-resident lecturers who are recognized authorities on their special subjects are given each year. Such lectures have included the subjects of physiography, ore deposits, meteorology, terrestrial magnetism, etc.

Laboratory Work.—Laboratory courses are arranged to accompany the lectures, while advanced or special students will be given the opportunity to carry on more extended investigations upon either described or new materials.

Conferences and Student Lectures.—In order that the advanced students may be kept in touch with the most recent investigations in the science, weekly conferences are held at which the leading journals in geology are reviewed by the students under the direction of the instructors.

In order that the advanced students may also have the experience necessary for the successful preparation and delivery of class-room lectures, a course upon some phase of geology is arranged, a special topic being assigned to each student.

Field Work.—The area of the State of Maryland includes, notwithstanding its comparatively small size, a remarkable sequence of geological formations. The ancient rocks of the earth's crust, as well as those still in the process of deposition, are found, while between these wide limits there is hardly a geological epoch which is not represented. As a result most excellent facilities are afforded for a study of the various geological horizons. Excursions to points of interest are made during the autumn and spring months.

Geological Laboratory and Library.—The geological laboratory is situated in Hopkins Hall, and comprises over thirty rooms, large and small. Here are placed the library, apparatus, and collections which are accessible to the student daily from 9 a. m. to 5 p. m.

In accordance with the custom of the university, those books relating to the work of the geological department are given into its charge, the books of general reference being retained in the university library. The geological library contains most of the journals and works of reference upon geological subjects. It consists of over 7,000 bound volumes and over 10,000 unbound volumes and pamphlets, and it now receives more than 200 current serials.

In addition to the libraries of the university, the Peabody Library, rich in geological works, is available for the use of students, while books not obtainable in Baltimore may be consulted in the libraries of Washington.

Apparatus and Collections.—The collections of the department consist primarily of a large amount of important material brought together from Maryland and adjacent States. It represents all the horizons of the State, being especially rich in crystalline rocks and in Cretaceous and Tertiary fossils. Some of this material has been already described, while much awaits further study. Among the most important of the special collections are the Williams, Lewis, Krantz, Hill, Stürtz, Lehmann, and Allen collections.

State Scientific Bureaus connected with the Department.—Two scientific bureaus, established by the Legislature and maintained at the expense of the State, are carried on in connection with the geological department. They are the Maryland Geological and Economic Survey and the Maryland State Weather Service. Professor Clark is the Director of both these organizations, which are concerned with a study of the geology and physical features of the State of Maryland. The work is carried on under his direction mainly by the instructors and students of the department.

Advantages Afforded by Proximity to Washington.—Washington is less than an hour distant from Baltimore. This renders it possible to take frequent advantage of the facilities afforded by that city, where the officers of the various scientific bureaus and societies give the students of the university every opportunity to examine the rich collections and libraries under their control.

Zoology and Botany

The work in Zoology and Botany is directed by Dr. W. K. Brooks, Professor of Zoology, assisted by Dr. D. S. Johnson, Professor of Botany, Dr. E. A. Andrews, Associate Professor of Biology, Dr. H. S. Jennings, Associate Professor of Physiological Zoology, and other assistants.

Advanced Zoology: Professor Brooks and Associate Professors Andrews and Jennings.

This course is designed for students who wish to devote themselves to zoology, and for those who select zoology as the chief subject for the degree of Doctor of Philosophy. The work is as follows:

(1). Laboratory work throughout the year. The student is required to verify the results of certain zoological memoirs, which are selected in order to illustrate the application of technical methods, as well as scientific principles, and, also, to study the collateral literature. After he has completed this work, the student is allowed more freedom in the selection of subjects.

(2). Two lectures a week by Professor Brooks on Theoretical Zoology, from October 1 to May 1.

(3). Zoological Seminary, once a week in January and February. The work of the Seminary for this year is based upon Darwin's Origin of Species.

(4.) Zoological and Botanical Journal Club, weekly throughout the year: Professor Brooks, Professor Johnson, Associate Professors Andrews and Jennings. All graduate students, assistants, and instructors are expected to take part in the meetings of the journal club, and to report upon the current literature of assigned topics.

Zoology and Botany: Professor Johnson and Associate Professor Jennings.

The work is as follows:

(1). Two afternoons of work in the laboratory, throughout the year, in physiological zoology and in botany.

(2). Three lectures a week, from the beginning of the year to February 1, on physiological zoology, by Associate Professor Jennings.

(3). Three lectures a week, from February 1 to the end of the year, on elementary botany, by Professor Johnson.

The work in physiological zoology comprises the study of the methods and mechanisms by which the activities of organisms are brought about, and the influence of the environment upon the organism considered in illustration of the reciprocal interaction between the environment and the organism. The work in botany comprises the study of the gross anatomy and histology and the systematic botany of selected flowering plants.

Courses 1, 2, and 3, with laboratory work, five hours a week through the year, constitute a "major course" and may be offered as a subordinate subject for the degree of Doctor of Philosophy.

Introductory Course in Biology: Associate Professor Andrews and Dr. Cowles.

This course, consisting of three lectures and six hours of laboratory work weekly throughout the year, is designed as part of

the general education of every college student, and is open to all candidates for the A. B. degree, as well as to special students. It is regarded as essential to all students intending to take up the study of medicine, and it (or an equivalent) is required for admission to the medical department. This course may be taken without previous courses in physics and chemistry, but preparatory training of this character is strongly recommended. It is chiefly a laboratory course of two afternoons a week throughout the year, supplemented by three hours a week of lectures, recitations, and exercises designed to emphasize the more essential truths of biology. In the laboratory, each student studies with the microscope, or dissects, selected plants and animals, from the simpler, such as amoeba and yeast, to the complex, such as the fern, the frog, the flowering plant, and the rat, and the embryology of the fowl. This course may be offered as a subordinate subject for the degree of Doctor of Philosophy.

Elective Course in Zoology, by Associate Professor Grave. Three hours a week throughout the year.

This course consists of the study of selected types of representative groups of the animal kingdom.

Natural History, by Associate Professor Andrews and Assistant. Three lectures and six hours in the laboratory, February 1 to end of year.

Advanced Botany: Associate Professor Johnson.

(1). Morphology of Plants. Two lectures and two laboratory exercises a week, throughout the year.

(2). Physiology and Histology of plants. Two lectures and two afternoons in the laboratory from October 1 to January 1.

(3). Botanical Seminary, twice weekly through the winter term. Schimper's "Plant Geography" and Sachs' History of Botany formed the basis for the seminary work during 1905–06.

(4). Field trips weekly in fall and spring.

Courses 1, 2, and 3 may be offered as a subordinate subject for the degree of Doctor of Philosophy.

Students of Botany have access to the extensive herbarium and valuable library of Captain J. Donnell Smith, the Schimper

herbarium, the Fitzgerald collection of mosses, the local collections of the Naturalists' Field Club, and the collection of Cryptogams of the late Dr. Humphrey, through the courtesy of the Woman's College of Baltimore.

The studies which are carried on in the biological laboratory, are supplemented by work at suitable points upon the sea-shore.

One of the ordinary fellowships in the university is usually awarded each year to a graduate student in zoology, and, in the selection of the Adam T. Bruce Fellow, preference is given to those who have held ordinary fellowships in zoology.

One of the graduate students in zoology may be appointed each year to occupy, during the summer months, the university table at the laboratory of the United States Fish Commission at Wood's Holl.

Whenever researches, or parts of researches, which have been carried on in the laboratory, are completed and ready for publication, the University Circular provides for the prompt publication of abstracts of the results.

Students looking forward to the degree of Doctor of Philosophy may offer zoology or botany as a principal or as a subordinate subject. If they have not already pursued studies equivalent to the undergraduate courses in this laboratory, they will be required to take these courses.

Physiology

The work in Physiology is directed by Professor W. H. Howell, assisted by Dr. P. M. Dawson, Associate Professor of Physiology, Dr. J. A. E. Eyster, Instructor, and Dr. D. R. Hooker, Assistant. The laboratory is contained in one of the buildings of the medical department adjoining the hospital, and is well equipped with facilities for demonstrations and special investigations. A course of lectures covering the general and special physiology of the animal body is given each year and is illustrated

by a large number of class demonstrations. In connection with this series of lectures, a laboratory course in experimental physiology is offered, extending over a period of twelve weeks and giving the student an introduction to the methods of laboratory technique. A duplicate course, consisting of lectures and laboratory work, is arranged especially to suit the convenience of graduate students in the philosophical department. This course is given in the afternoons from January to June. The general course of lectures is supplemented by advanced lectures given from time to time upon selected topics; by the work of the physiological seminary, which meets at stated intervals for the special study of certain parts of physiology; and by a weekly journal club intended for the presentation and discussion of the material contained in the current periodicals. The details of these courses are given in the programme published each year in the University Circular.

In addition to the physiological literature contained in the library belonging to the laboratory, publications upon physiology and the related scientific branches of medicine may be obtained conveniently from the libraries of the Medical Department, the Medical and Chirurgical Faculty of Maryland, and the Surgeon General's Office in Washington.

Students looking forward to the degree of Doctor of Philosophy may offer Animal Physiology as a principal or as a subordinate subject. Those who take physiology as a principal subject must present evidence of previous training in physics equivalent to the first year undergraduate course in this university, and in chemistry and in biology equivalent to the first and second year undergraduate courses. No preliminary requirements are made for those offering Physiology as a subordinate subject.

The laboratory is open also to special students, graduates in medicine and others, who may wish to undertake laboratory investigations, or who desire to become acquainted with the use of physiological apparatus and the methods of demonstration and research.

Anatomy

The work of this department is in charge of Dr. Franklin P. Mall, Professor of Anatomy, with the coöperation of Dr. Ross G. Harrison, Dr. Warren H. Lewis, and Dr. Florence R. Sabin, Associate Professors of Anatomy, Dr. Henry McE. Knower and Dr. George L. Streeter, Instructors, and Dr. Robert Retzer and Dr. Arthur W. Meyer, Assistants.

Courses of instruction are provided in the various anatomical sciences—systematic human anatomy, histology, microscopic anatomy, and embryology,—and opportunities are afforded for advanced work and original investigation in these sciences.

The systematic courses of instruction are given in two groups of paralled courses, from October 1 to March 15. The first of these groups includes histology, microscopic anatomy, and neurology ; the second embraces the subject of gross systematic human anatomy. These courses are designed primarily for the medical students of the university, but are open to other students who are properly qualified. A more detailed description of them will be found in the announcement of the medical department.

The anatomical laboratory is a large building, three stories high, having been constructed especially for the teaching of anatomy and for investigation in this subject. The modern machines and apparatus likely to be needed have been provided. Rooms and apparatus for animal experimentation, mechanism of convenience for drawing and reconstruction, projection apparatus, photomicrographic outfit, and apparatus for work at low temperatures are at hand. Facilities are afforded for the artistic illustration and publication of the results of researches leading to discoveries of importance. Every encouragement is given to suitably-trained individuals who desire to undertake original investigation, either under direction or independently.

Greek

The graduate instruction in Greek is directed by Professor Gildersleeve, in connection with the Greek Seminary, which consists of the Director, Fellows, and Scholars, and such advanced students as have satisfied the Director of their fitness for an active participation in the work. All graduate students, however, may have the privilege of attending the Seminary exercises.

Each regular member is required to take his turn in the work of the Seminary, and special fields of research are assigned according to progress or bent.

The cycle which has been followed for a number of years is made up of the Attic Orators, Plato, Aristophanes, and the Greek Historians. For example :

1902–1903.	Aristophanes.	1904–1905.	Attic Orators.
1903–1904.	Greek Historiography.	1905–1906.	Plato.

The methods followed have been described in successive annual reports, which may readily be consulted.

The work in the Seminary during the present year was concentrated on Plato ; for the next year the centre of work will be transferred to Aristophanes.

In addition to the work of the Seminary (two meetings a week), courses of lectures are given by the Director, by Associate Professor Miller, and by other qualified persons.

Undergraduate students who select the classical group of studies, are required to follow the class-work in Greek, three hours weekly through four years. The texts vary from year to year, including selections from poets, historians, and orators. Exercises in Greek composition and in reading at sight are likewise required. To extend the acquaintance of the student with Greek literature, he is obliged to read by himself certain prescribed authors, and to pass an examination upon them. An elective course of three hours a week may also be provided. The instruction of the undergraduates in Greek is conducted chiefly by Associate Professors Spieker and Miller.

The American Journal of Philology, edited by Professor Gildersleeve, has completed its twenty-sixth volume.

Latin

Instruction in Latin is given on a plan similar to that already mentioned as followed in the courses in Greek. The advanced work proceeds through the organization of a Seminary, of which Professor Smith is the Director. The instruction has two distinct ends in view. It aims, first, to give students a wider and more accurate knowledge of the Latin language and literature than can be secured in the ordinary college course, so that they may become more efficient teachers; and secondly, to train them in the methods of scientific research, so that they may become independent investigators. The most important instrument of training is the Latin Seminary, which meets twice a week. Each year some author or group of authors in a given department of literature is made the centre of work. Critical methods are taught, interpretations are prepared by members of the Seminary in turn, and papers are read by them containing the results of various special investigations suggested by the taste and proficiency of each. The subjects treated during the last four years are as follows:

1902–1903. The Roman Drama, especially Plautus and Terence.
1903–1904. The Roman Satire, especially Horace and Juvenal.
1904–1905. The Roman Historians, especially Livy and Tacitus.
1905–1906. The Roman Epic, especially Vergil.

Courses of lectures are also regularly given by the Director of the Seminary and from time to time by other qualified persons.

For example in 1905–06, Professor Smith lectured on the Roman Epic once a week throughout the year. He also lectured once a week throughout the year on the historical development of Latin Syntax and gave a course of twenty lectures on the growth and development of the Hexameter. Associate Professor Wilson gave a course of lectures and practical exercises in Latin Palaeography once a week until March 1. From March 1 until the end of the year, he lectured upon Latin pronunciation. He also met the advanced students once a week throughout the year for the rapid reading of the epic poets.

The undergraduate courses are so arranged that four consecutive years of instruction are open to students of Group I. Elective courses also are offered, which may be taken concurrently with the regular class-work of the third and fourth years. Students in Groups II and III are required to pursue courses in Latin during their first and second years.

Classical Archæology

Graduate courses in classical archæology are given by Dr. David M. Robinson. In 1905–6 he lectured twice a week on the Mycenæan Civilization, on Greek Architecture, and on the History of Greek Sculpture. He also lectured on Greek Vases twice a week during the first half-year, and on Greek Life twice a week during the second half-year. Twice a week throughout the year Greek inscriptions were read and interpreted.

Next year the main work will be a study of the Topography and Monuments of Greece and Asia Minor, with readings in Pausanias and Strabo. One hour a week will be given to the Lesser Arts, such as painting, terra-cottas, bronzes, gems, coins, etc. One hour a week Dr. Robinson will conduct exercises in Roehl's Imagines Inscriptionum Græcarum Antiquissimarum.

A course in Greek Life is also provided for undergraduates.

Sanskrit and Comparative Philology

Courses of instruction, directed by Professor Bloomfield, with the assistance of the Fellow or Scholar in Sanskrit, are provided in the Indo-Iranian languages (Vedic and Classical Sanskrit, Pāli and Prākrit, Avestan or Zend, and Old Persian), in Comparative Grammar of the Indo-European languages, in historical Ethnology of the Indo-European peoples, and in general Linguistic Science. During the sessions of 1897–99 and 1901–05 courses in the Lithuanian language and literature were given :

instruction in one or another of the ancient languages of the Balto-Slavic (Lithu-Slavic) family may be hereafter expected as a regular feature of the work of the university.

These instructions aim to meet the wants of those who wish to devote themselves to the study of these branches exclusively and for their own sake, *i. e.*, those who wish to become specialists in Sanskrit Philology or Comparative Philology; and also the wants of students of languages in general, who wish to obtain a broader linguistic basis for special studies in other departments of philology.

The advanced work aims especially to meet the wants of those who wish to make Indian philology or comparative philology their special study. Instruction is given by practical exercises, lectures, seminary work, and, where possible, the use of native Sanskrit manuscripts. The seminary is furnished with a carefully selected library (including some manuscripts); this has been increased recently by the Stratton Memorial Library, a valuable collection presented by the wife of the late Alfred William Stratton (Ph. D., 1895). Approximately complete sets of the Oriental journals, as well as the journals in comparative philology, are freely accessible in the main library.

A prolonged course in Sanskrit, involving two lectures a week during two years and attendance in the Vedic Seminary for a half-year (one hour a week), is planned so as to furnish a good knowledge of Classical Sanskrit, and to include an introduction into the dialect of the Vedas. This amount of work represents material sufficient for the first subsidiary subject for the degree of Doctor of Philosophy. A course in the same study for one and a half years, involving two hours a week, is the amount required for a second subsidiary subject leading to the same degree.

A synopsis of the courses offered during past years may be presented under six heads:

I. Courses in the general principles of comparative philology, or linguistic science, and on special chapters thereof; lectures on ethnology.

II. Courses in the general comparative grammar of the Indo-European languages; comparative grammar of Sanskrit and Avestan; comparative

study of Greek accent; comparative study of Greek, Latin, Sanskrit, and Teutonic, including vocalism, consonantism, noun-formation and inflections.

III. The Vedic, Sanskrit, and Prākrit dialects; Rig-Veda; Atharva-Veda; literature of the Brāhmanas and Upaniṣads. The law books of Manu and Yājñavalkya; the Drama Çakuntalā and introduction into Prākrit; Hitopadeça, Kathāsaritsāgara, and Nala. Sanskrit grammar and prose composition.

IV. The Pāli language and Buddhist literature.

V. The Avestan language and the sacred books of the Avesta.

VI. The Lithuanian language and literature.

Oriental Seminary

In the Oriental Seminary, of which Professor Haupt is director, both introductory and advanced instruction is provided in Oriental history and archæology, as well as in the principal Semitic languages, viz., Hebrew (both Biblical and post-Biblical), Biblical Aramaic, Syriac, Arabic (both classical and modern), Ethiopic, Assyrian, etc.; also in Sumerian, Egyptian, Coptic, Malay, Tagalog, Bisayan, Ilokan, etc., and in American Ethnology. In the organization adopted in 1883, a course of three years was arranged. The centre of the work is the Old Testament, special attention being given to the critical study of Biblical texts and the cuneiform inscriptions bearing on the Scriptures. Professor Haupt is assisted by Associate Professor Johnston and other competent instructors.

The various courses are adapted to the requirements of four classes of students, namely: (*a*) students of theology wishing to obtain a thorough acquaintance with the sacred tongue and its sister idioms as a means of elucidating Scripture and problems of the comparative history of religion; (*b*) students of linguistics intending to make comparative grammar of the Semitic languages their specialty; (*c*) students of Oriental history and archæology desirous of drawing directly from the original sources; (*d*) persons looking for instruction in the living Oriental languages (as modern Arabic, Turkish, Persian, Amharic, Malay, Tagalog, etc.) for practical purposes; (*e*) students of American ethnology.

In these various courses, the Seminary method is followed throughout, the student being from the first brought face to face with the several idioms without long theoretical introductions. Stress is laid on a thorough grammatical training, imparted in connection with the minute philological analysis of some selected text in the respective languages, or by written exercises in translating from English into Hebrew, Arabic, Syriac, and Ethiopic, or from Hebrew and Arabic into Assyrian, and from Assyrian into Sumerian, etc., printed grammars serving only for occasional reference. There are also exercises in Hebrew and Arabic conversation.

A room has been set apart containing a well-equipped working library for all the branches of Oriental research (including the library of the late Professor A. Dillmann, of Berlin, the Leopold Strouse Semitic Library, a special collection of works on the dialects of the Philippine Islands, etc.), and some advanced students are usually present to help in the preparation for the recitations conducted by the Director of the Seminary, and to furnish any other aid that may be desired. Near the Dillmann Library, on the same floor are some archæological and antiquarian collections, including the Cohen Collection of Egyptian Antiquities, the Sonneborn Collection of Jewish Ceremonial Objects, collections of Hebrew and other Oriental manuscripts, Babylonian seal-cylinders and clay tablets, etc.

English

The instruction in English is given by Dr. James W. Bright, Caroline Donovan Professor of English Literature, Dr. William Hand Browne, Professor of English Literature, Dr. Herbert Eveleth Greene, Collegiate Professor of English, and Dr. John C. French, Instructor in English. Graduate and collegiate courses are provided in conformity with the principles followed in the other language departments. Advanced students are instructed in the technical aspects of linguistic and literary science, and trained in the processes of original investigation.

Graduate Courses

The advanced courses in English are so arranged as to enable a student, in three or four consecutive years, to study with precision all the important departments of grammar and of literature. Instruction is imparted by lectures, by freer conferences, by the methods of the Seminary, and by class-room recitation. The Seminary (four hours a week) constitutes the chief organ of instruction and research. It supplies means for the inculcation of what is presented in the lectures, and for organized and prolonged concentration of effort on selected subjects. Usually the work of the Seminary centres each half-year in a different period of the literature, ranging from Anglo-Saxon times to the present century. The literature of the period studied is investigated as to its sources, the history of its forms and traditions, and its artistic value; and linguistically the period is studied in its relation to the history of the language. The members of the Seminary also meet as a Journal Club (fortnightly), chiefly for reviewing the current philological (linguistic and literary) periodicals and recently published books and monographs. As supplementing the lectures and the Seminary, classes are organized for special training in textual criticism, for the reading of the poets, and for the discussion of the canons of literary criticism. Weekly conferences and informal lectures furnish an opportunity for the discussion of many topics not provided for in the regular courses of the year; these hours are in part occupied by lectures given by the students, that they may thus acquire experience in the more formal presentation of the results of special study.

College Courses

1. *Rhetoric and English Composition.* In this course, which is required of all undergraduates, the principles of good writing are inculcated. The use of text-books is supplemented by lectures and discussions, by weekly practice in the writing of short papers, a few of which are read and criticised in the class-room, and by the writing of longer papers, which are read and criticised pri-

vately with the writers. During the first half-year the study is directed to the elements of style—the word, the sentence, and the paragraph. The weekly practice in writing is combined with an examination of the usage of standard writers. During the second half-year the various forms of composition—description, narration, exposition, and argument—are studied and practiced; the work also includes a critical study of standard prose in its various forms. An additional course in English Composition is prescribed during the second year; but students who have attained a creditable rank in the work of the first year are excused from this course. Elective courses in description and narration and in exposition and argument are provided for students who wish further training in the art of writing.

2. *Public Speaking.* A course in reading and platform speaking, which is required of all undergraduates, affords training in breathing, enunciation, and expression. The work is made as practical as possible and is individualized by the division of the class into small sections, each of which meets once a week. Parliamentary procedure and the theory of argumentation, with frequent practice in debate, are studied in a course in forensics, required of undergraduates in the third year. Further practice in debating is provided in connection with an elective course in exposition and argument, and in the annual inter-class and intercollegiate debates.

3. *English Literature.* The prescribed course in Rhetoric is followed by an introductory course in English Literature. This course is prescribed for students in the second year; and for those who may wish to continue the study provision is made in elective courses covering the most important periods of English and American literature. These courses are for undergraduate students in Groups I, III, IV, and V,—those who are not making a special study of the subject, but who wish such acquaintance with it as may be regarded as a necessary part of a liberal education. The aim of the instruction in these courses is to give the student an outline history of English Literature, to teach him to read intelligently and with insight, and to lead him to read widely in the works of the more important writers.

Special courses are provided for those undergraduates whose studies are directed more particularly to modern languages and their literature (Group II, Third and Fourth Years).

Group II; Third Year. This course (*three hours a week, throughout the year*) presupposes a fair knowledge, derived from previous courses, of the literature down to and including Shakespeare. It will cover the drama of Ben Jonson and his followers, the writers of the time of the Restoration, Dryden and the French school, and the "classical" period down to 1770. Thereafter (in the second half-year) is taken up the rise and prevalence of "romanticism" in its various aspects, and the development of the novel and romance, down to recent times.

Group II; Fourth Year. This course deals especially with the English Language, its history and changes, and with the early poems of the literature. During the first half-year (*three hours a week*) Anglo-Saxon is studied, with Bright's *Anglo-Saxon Reader* as text-book. During the second half-year (*three hours a week*) the language is taken up at the point where it emerges after the Norman Conquest; and the course includes writers from the middle of the twelfth century to Chaucer. One hour a week is given to the study of the Early Scottish poets of the fourteenth and fifteenth centuries.

German

This group of studies is under the direction of Professor Wood, with the assistance of Associate Professor Vos, Dr. William Kurrelmeyer, and Mr. Julius Hofmann.

Instruction is provided in German of all periods and in the earlier development of the other members of the Teutonic family of languages.

In the German Seminary, in which the graduate instruction centres, nearly equal attention is devoted to German literature and German philology. To enter upon the work of the Seminary in literature, the student should possess a knowledge of German

equivalent to that imparted in the undergraduate courses hereinafter mentioned, supplemented by private readings. For the seminary work in philology, it is desirable, in addition, that preliminary courses in Gothic and Middle High German should be first completed, and these may be taken with advantage by the student immediately upon entering. All graduate students of German are required to share in both the philological and the literary work, and to direct their efforts to the attainment of broad results, which may serve as the foundation of scientific work and of successful teaching; but the Seminary and the allied graduate courses are believed to offer also sufficient opportunity and encouragement for the prosecution of chosen lines of work, whether on the linguistic or the literary side, in accordance with individual capacity and bent. In this way, opportunity for independent research is afforded, within the framework of organized effort directed towards the attainment of results which concern the Seminary as a whole, and towards which each member is expected to contribute his share.

The subjects selected for the Seminary during recent years are as follows:

1900–1901. Goethe and Schiller (1786–1805); Parzival.
1901–1902. Goethe's Lyrical Poems; Nibelungenlied.
1902–1903. German Literature in the Eighteenth Century; Walther von der Vogelweide.
1903–1904. Goethe's Faust.
1904–1905. Goethe and Schiller (1786–1805); Minnesangs Frühling.
1905–1906. Storm and Stress and Early Romanticism; Walther von der Vogelweide.

The Germanic Society, which meets fortnightly, supplements the work of the German Seminary; before it are presented not only reports on articles in current journals, but also successive results of studies by the members. The chief object of the Society is to foster and guide the aptitude for more sustained individual investigation than the collective work of the Seminary offers scope for. Lists of the more important papers presented are given in the yearly reports.

In addition to the work of the Seminary (three meetings a

week), other advanced courses are given. For example, in 1905–1906, Professor Wood gave courses in Gothic and in the History of German Literature in the Eighteenth Century, and lectured on German Literature in the last quarter of the Nineteenth Century. Dr. Vos conducted classes in Middle High German and in Old High German language and literature; and lectured on Modern German Grammar. A course on the German Novel in the Eighteenth Century was given by Professor T. S. Baker, of the Jacob Tome Institute.

The undergraduate work in German is differentiated with reference to those who have offered modern languages and those who have offered Greek for matriculation.

Students who have matriculated in modern languages enter at once upon German Course I, four hours weekly, during the year, a course required of all undergraduates other than those who have matriculated in Greek. The reading consists in the main of modern narrative prose. Private readings and weekly exercises in prose composition supplement the class readings.

Upon the completion of German Course I, undergraduates in Group II, or undergraduates in any of the other groups who elect German, pursue the study three hours weekly, during a second year, in German Course II. The readings are chosen from representative classical authors and instruction is given also in the writing of German prose.

German Course II may be followed by German Course III, three hours weekly, during the year. The readings from the classical period are here continued in texts of greater difficulty, and instruction is given in the history of German literature.

For students who have matriculated in Greek, a course in the Elements of German is provided, four hours weekly, for one year. While no knowledge of German is assumed for this course, previous training in the language renders rapid progress in grammar possible. This study is followed during the rest of the year by prose readings, supplemented by elementary prose composition. Successful completion of the German Elements absolves the requirements in German for those who have matriculated in Greek, but the student may, if desired, continue his study of the language in German Course I.

An elective course in scientific readings is open to undergraduates who are preparing to enter the medical department.

Classes are also provided in conversational German and in historical and scientific reading for graduates who lack the ability to read the language at sight.

Romance Languages

Advanced instruction in the Romance Languages is so planned as to cover at least three years, and is directed by Dr. A. Marshall Elliott, Professor of Romance Languages, with the assistance of Associate Professors Marden, Armstrong, and Ogden, and others. The subjects of instruction are divided into three distinct sections: a purely linguistic, a purely literary, and a composite group which is intended to unite the first two. Every one who intends to take a degree in Romance Languages, must work in these three lines, which are arranged to supplement one another according to the attainments and bent of the student, and which are concentrated, for given periods of the course, on the same linguistic domain. The first year is spent chiefly in preparation for seminary work, to which the student is generally admitted, as an active member, at the beginning of the second year. During this preliminary period a practical knowledge of the principal Romance languages is acquired (a thorough acquaintance with Latin and modern French being pre-supposed); a brief survey is given to the history of the science, together with an introduction to the use of scientific methods in language and literature. With this equipment the student is prepared to begin an appreciative scrutiny of special texts with their critical linguistic and literary apparatus. He is taught to handle his materials with discriminating judgment, and, according to his progress, subjects are assigned to him for investigation which tend to develop the patience and accuracy necessary to a careful investigator. In literature, as in language proper, particular attention is given to the origins, while constant reference is made, by way of com-

parison, to the modern forms. By extensive reading, required in connection with the subjects taken up, he is made familiar with the different phases of opinion held by leading European scholars, and is thus enabled to control certain parts of his subject within well-defined limits. After the first year the student is expected to concentrate upon some single line of work within his general field. It will be observed that the student's work in this course is comparative, and that he moves from the general to the particular. In the early part of it, the object is to give a broad basis to work on, by making him so familiar with the principal Romance idioms that he may use them readily, by way of illustration, in his subsequent studies. Dialect study and phonology are made important features of this plan of studies.

The subjects to which attention has been given in the Seminaries in past years are as follows :

1883–84. Anglo-Norman Dialect and the Oaths of Strasburg.
1884–85. Cantilene de Sainte Eulalie and Fragment de Valenciennes.
1885–86. The Franco-Norman Dialect, with the Vie de Saint Alexis.
1886–87. The Oaths of Strasburg and the Cantilene de Sainte Eulalie.
1887–88. Old French Paraphrase of the Canticum Canticorum and the Fragment de Valenciennes.
1888–89. The Oaths of Strasburg and the Cantilene de Sainte Eulalie.
1889–90. *Reimpredigt:* Grant mal fist Adam.
1890–91. L'Epopée royale : Pèlerinage de Charlemagne.
1891–03. Marie de France : Fables.

1902–03.
- The French Theatre in the Eighteenth Century.
- Spanish : *Libre de Apollonio.*
- Italian : The Earliest Monuments of Italian Literature.

1903–04.
- French :
  - a. Marie de France : *Fables.*
  - b. The French Theatre in Nineteenth Century.
- Spanish : *Libre de Apollonio.*
- Italian : The Earliest Monuments of Italian Literature.

1904–05.
- French :
  - a. Marie de France : *Fables.*
  - b. Genesis of the modern Lyric Capital in French Literature.
- Spanish : *Libre de Apollonio.*
- Italian : The Decameron of Boccaccio.

1905–06.
- French :
  - a. Marie de France : *Fables.*
  - b. The Schools of Poetry of the Nineteenth Century.
- Spanish : The Prose Works of Alfonso el Sabio.

In addition to the work of the Seminaries, lectures are regularly given : (1) on French Phonetics, physiological and historical, (2) on French syntax, (3) on Romance morphology, (4) on French dialects, (5) on Dante, (6) on Old French palæography, (7) on the history of French Philology, (8) on the linguistic ethnography of France and Italy, (9) on the sources of Romance Philology, (10) on Popular Latin, (11) on Italian philology and literature, (12) on Spanish philology and literature, (13) on Old French literature, (14) On Modern French literature, (15) on Romance versification, (16) on Methodology of the Romance languages, (17) on classical French literature.

The special lectures on French, Italian, and Spanish literatures are arranged to run through the whole period of three years, and form the most essential part in the training of the student.

A special publication, Modern Language Notes (A. Marshall Elliott, editor in chief), now in its twenty-first volume, is issued monthly by members of the English and Romance departments, in which are presented the most recent aspects of linguistic and literary research in the modern idioms.

The undergraduate classes in French are conducted by the Associates of the department, under the direction of the head of the department. Students in Group II, who elect French, follow class work for three or four hours weekly through four years, during which time they read extensive selections from Modern and Classical French texts, and receive a thorough drill in grammar, composition, and pronunciation.' Lectures on French Literature and on French Life are given in the advanced classes, and private reading is required of all classes. Two-year courses in Italian and Spanish, similar in arrangement and requirements to those in French, are also provided for undergraduates.

History

Advanced instruction in history and methods of historical research is offered to graduates, or to special students of mature years, if qualified by ability and previous studies to pursue such courses. The work is planned to develop the spirit of original research, and this end is attained not alone by lectures, but also by individual advice and by the constant association and co-operation of students and instructors in special conferences. The best results of original inquiry are brought before the Historical and Political Science Association for discussion and are usually published in the "Johns Hopkins University Studies in Historical and Political Science." Avenues of publication have also been found hitherto in the leading historical and economic journals.

Graduate Courses

Professor John Martin Vincent lectures to graduate students on the history of Europe and on the science of historical investigation. The courses direct attention to the social, economic, and constitutional development of European peoples. The subjects follow in consecutive order, the topics for each year forming a complete and independent group. The whole series of courses requires three years for completion and offers opportunity for close study of selected portions of the Mediæval and Early Modern History of the Continent and England. The lectures on historical research discuss in detail the various materials of history and the methods by which these are tested and used. Dr. Vincent also conducts a weekly Historical Seminary for the study of selected historical problems. The work of the students is subjected to criticism in order to promote facility in research and develop historical judgment. The Historical and Political Science Association offers further facilities for the production of original work, and for the criticism of the current literature of history and political science.

Dr. J. C. Ballagh, Associate Professor of American History,

acts as an adviser to graduate students, and lectures, in successive years, upon connected topics in (1) American colonial history, (2) American institutional history, (3) United States constitutional and political history. He also conducts (4) a seminary for research in special subjects in American history.

Dr. Bernard C. Steiner, Associate in History, is one of the advisers of advanced students in their original investigations in American History.

Dr. James Schouler, author of the History of the United States under the Constitution, gives in successive years short courses of lectures on American political and economic history.

In Oriental History students have the advantages of the lectures offered by Professor Bloomfield, of the department of Sanskit and Comparative Philology, and by Associate Professor Johnston, of the Oriental Seminary.

The Albert Shaw Lectures on Diplomatic History are given annually by investigators in selected fields of American and foreign relations. The subjects have included thus far the diplomatic history of the Southern Confederacy, the relations of the United States with Latin America, the foreign relations during the administrations of John Adams, Thomas Jefferson, John Tyler, and James K. Polk. The scope of the lectures is not confined to America, and courses in European diplomatic history will also find their due place.

Other lectures of interest to students of this department, either open to the public or designed for class instruction, may be expected from time to time from distinguished scholars outside of the university.

Undergraduate Courses

The undergraduate instruction aims to impart such a knowledge of the essential facts and principles of general history and politics as will contribute towards a liberal education and fit men either to pursue advanced courses in special branches of these sciences, with a view to taking the doctor's degree, or to enter the work of education, law, journalism, or the civil service. This

training process is pursued in class courses, where systematic and positive instruction is given by means of required text-books, lectures, essays, oral reports, and constant drill. The undergraduate work extends, in its various sections, over a period of three years (see College Courses, Group III). A course in General History, or in the outlines of Political Economy, is also required of every undergraduate student not in the Historical Group. For Group III the plan is as follows :

Second Year : Ancient History—Greece and Rome.

Third Year : Mediæval and Modern History of Europe.
Political and Constitutional History of England.

Fourth Year : American Political and Constitutional History.

The courses are conducted by Dr. Vincent, Dr. Ballagh, Dr. Steiner, and Dr. Wright.

Political Economy

Graduate Courses

Graduate instruction in Political Economy is under the direction of Professor Hollander, assisted by Dr. Barnett. It is designed primarily to meet the needs of advanced students preparing for a professional career in economic science. The courses afford systematic instruction in general economic principles, intimate acquaintance with special fields of economic activity, and, most important of all, knowledge of and ability to employ sound methods of economic research.

The work centres in the Economic Seminary, the membership of which is limited to the most advanced students, and the primary design of which is to develop scientific research in economic study and investigation. The present field of research is the history, structure, and function of labor organizations in the United States. Individual members are assigned specific aspects of the labor question for study and investigation. In each of such cases, the immediate environment is first studied ; thereafter examination is made of conditions in other typical communities

until sufficient data for reasonably safe generalizations are obtained. Members of the Seminary showing special capacity for economic investigation in other fields than that selected for collective study are encouraged to continue their inquiries and to present the results for criticism as to method and content.

Formal graduate instruction is offered in Theoretical Economics and in Applied Economics, by parallel courses of lectures throughout the year. The particular topics treated vary from year to year. In 1904–05, Professor Hollander lectured two hours weekly on the development of economic theories since Adam Smith, and two hours weekly on American public finances, federal, state, and local. During the present year, attention has been given, in the courses on Economic Theory, to a careful survey of economic thought before Adam Smith, and to the interpretation of Ricardo. In the course on Applied Economics, careful study has been made of the Theory and Practice of Exchange, with particular reference to the institutions of the money market. Dr. George E. Barnett, Associate in Political Economy, has lectured during the first half-year on Labor Problems, and during the second half-year on Workingmen's Insurance. Courses of lectures were given during the year by Mr. John M. Glenn, President of the Board of Supervisors of City Charities, on Problems of Relief, Mr. Clayton C. Hall on The Theory and Practice of Insurance, Mr. Logan G. McPherson on Railway Legislation, and Hon. Charles P. Neill, U. S. Commissioner of Labor, on Problems of Industry.

While primarily designed, as has been noted, for the needs of students preparing for a scientific career in the field of political economy the instruction offered is of material service to persons looking forward to practical social work, or proposing to enter the public service, the professions of law and journalism, or desirous of equipping themselves for a large and generous citizenship. With this in view, particular attention is paid to recent industrial and financial developments in the United States. Proximity to Washington offers special facilities for study and investigation in these directions, and efforts are made to profit by close acquaintance with and actual use of the important resources there existing.

Undergraduate Courses

The undergraduate instruction in political economy is given by Professor Hollander and Dr. Barnett. It is designed not only to prepare elementary students for the advanced courses described above, but also to contribute to a liberal education that fund of information and that mode of thought which will permit young men, in whatever walk of life engaged, to interpret and to appreciate the economic activities of human society.

The method employed is class-room instruction from required text books, supplemented by lectures, collateral reading, written reports, and periodic examinations. The course of instruction covers three years. In the first year, the economic development of England and general economic theory are studied. In the second year, the development of economic thought is studied, and attention given to money, credit, labor unions, and corporations. In the third year, attention is directed to the chief methods used in statistical inquiry, and to the theory and practice of finance.

Political Science

The graduate work in Political Science, conducted by Professor W. W. Willoughby, has for its primary aim the preparation of advanced students for professional and original work in the fields of Constitutional Law, International Law and Diplomacy, and Political Philosophy, and seeks also to supply the necessary training for those desiring to enter the higher branches of the public service, as well as to furnish a broad and philosophical equipment to those who expect later to pursue the study and practice of the law.

The work is so arranged as to give three years of continuous instruction.

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The work is so arranged as to give three years of continuous instruction.

Seminary. In addition to the Historical and Political Science Association, at which the original work of the students is presented and criticized, a weekly Seminary is held, at which papers upon

special topics, prepared by the students, are read and discussed. During the past two years the problems of colonial government and administration and unsettled points in international law have been specially considered.

The lectures are divided into six courses, each two hours weekly, two courses being given each year. These courses, though complete in themselves, are so arranged that the first three give a comprehensive treatment of United States and foreign Constitutional Law, while the last three together cover the entire history of the development of political ideas. The courses are as follows:

(1) *Comparative Public Law.* The theory of the State, the general principles of constitutional and international law, and the more difficult points in the systems of constitutional jurisprudence of the modern European states are discussed. Especial attention is given to composite forms of state life.

(2) *Advanced American Constitutional Law.* For this work a general knowledge of United States political history and constitutional law is presupposed, the lectures being devoted to a discussion of the more perplexing and unsettled points in our constitutional jurisprudence, and the illustrations being drawn largely from the recent and current decisions of the United States Supreme Court.

(3) *The Legal Aspects of Economic and Industrial Problems.* In this course the chief legal points involved in the state regulation of public and private employments are discussed. Among the particular topics treated are: eminent domain, the police power, taxation, interstate commerce, factory legislation, capitalistic combinations, labor unions, strikes, boycotts, industrial arbitration, bankruptcy, legal tender.

(4) *History of Ancient and Mediæval Political Theories.* The political ideas and ideals of these times, as revealed in literature, law, and political practice, are analyzed and criticized. Especial effort is made to show the extent to which these theories have been the outcome of the objective conditions and general intellectual characteristics of the times in which they have been formulated.

(5) *History of Modern Political Theories to the Nineteenth Century.* A continuation of the preceding course.

(6) *History of the Political Theories and Literature of the Nineteenth Century.* A continuation of the preceding course.

Undergraduate instruction in Political Science is given in connection with the undergraduate historical and economic courses.

Philosophy and Psychology

Graduate Courses

The graduate work of the department falls into two divisions, according as the student specializes in Philosophy proper or in scientific and experimental Psychology. Within these two divisions many special topics are treated. In each division the work is planned to cover three years. The arrangement by years is mainly for convenience ; it is not of the nature of a curriculum. The courses are offered to stimulate and aid the student in the work of investigation. Whether, and when, the candidate shall take the degree of Doctor of Philosophy, under the university regulations, depends upon his success in the prosecution of a piece of research.

In the division of Philosophy, the first year offers courses in General Psychology, Social Psychology and Philosophy, and Theory of Evolution and Comparative Psychology, —these topics being a necessary foundation to the more detailed work of later years. In the division of Psychology, a training course in Experimental Psychology is added to the work of division I.

In the second year, more special work of research is carried on. In Philosophy, the Theory of Knowledge becomes the central topic. History of Philosophy and Ethics are given, and a variety of special topics is presented in which the student has various alternatives opened for his own research. In the Psychology division, the research courses in Experimental Psychology in the laboratory are central, the Theory of Knowledge is asso-

ciated with it, and again a variety of special topics allows choice of subjects allied to the main problem of the particular student.

In the third year, the Seminary and Laboratory courses are the centre of the work, in the two divisions respectively, the student being expected to give most of his time to work on the topic of his dissertation. In this last year, the professors devote themselves to the direction and development of the students' investigations. A graduate Conference meets weekly. Throughout the entire course the seminary and laboratory methods of instruction are preferred to that by formal lectures.

Professor Baldwin is the Director of the Philosophical Seminary, and Professor Stratton, of the Psychological Laboratory. The Seminary room, containing the department library, in Levering Hall, and the Laboratory, situated in the biological building, are in full working order. The library has the use of the large collection of journals and files of current serials belonging to the Director.

The distribution of topics among the staff is as follows: Psychology (except experimental), Theory of Knowledge, and General Philosophy are treated by Professor Baldwin; History of Philosophy and Ethics, by Professor Griffin; Experimental Psychology, by Professor Stratton and Dr. Baird.

The additional special topics treated in the year 1905–06 are Vision and Symbolic Logic, by Mrs. Franklin; the Cerebral Cortex, by Dr. Farrar; History of American Philosophy, by Dr. Riley.

Dr. I. Woodbridge Riley was reappointed Johnston Research Scholar in this department, for the year 1905–06.

Undergraduate Courses

Courses in Logic, Ethics, and History of Philosophy are given by Professor Griffin, and in Psychology by Professor Griffin and Professor Stratton. All candidates for the degree of Bachelor of Arts are required to follow course 1, during the last year of residence.

1. (*a.*) Deductive and Inductive Logic.

Creighton's Introductory Logic is used as a text-book, with references to the works of Jevons, Mill, Bain, Keynes, and other writers.

(*b.*) Psychology.

Text-books, liable to change from year to year, are made the basis of instruction, but the subject is presented largely through informal lectures and discussions, and by means of passages in various authors assigned for reading. A series of lectures and demonstrations on physiological and experimental psychology is included in the course. One essay on an assigned subject is required from each member of the class.

(*c.*) Ethics.

The subject is taught by lectures, recitations from a text-book—Mackenzie's Manual of Ethics being used at present,—and references to the works of the most important writers.

2. Outlines of the History of Philosophy.

Weber's History of Philosophy and other works of reference are made the basis of lectures, discussions and recitations.

3. Experimental Psychology.

This course is intended as an introduction to the problems and methods of psychological experiment.

Drawing

1. Freehand Drawing.

The instruction aims to impart such knowledge of the principles of drawing as shall best serve to educate the eye and train the hand. Students looking forward to the study of medicine or biology will find this course of value in the illustration of lectures and laboratory work.

Three hours weekly, through the year. Mr. Whiteman.

2. Descriptive Geometry and Mechanical Drawing.

This course is offered to students who intend studying engineering. The elements of descriptive geometry are first taken up and the principles of orthographic, scenographic, and isometric projections are worked out. Advanced work in descriptive geometry is taken up later.

Three hours weekly, through the year. Mr. Whiteman.

Public Speaking and Debate

A course in reading and platform speaking is required of undergraduate students in their second year. For the sake of convenience in instruction, the class is divided into several small sections, to each of which is devoted one hour a week. A course in debating, which involves the study of parliamentary law, the collection and arrangement of material, and frequent practice in debate under the direction of an instructor, is assigned to students in their third year. The work of the two years will be counted as a half-course. During the fourth year opportunity for a more detailed study of the art of debate and for practice in argumentative composition is open to those who desire it. Prize contests in public speaking and in debate are held annually, and one intercollegiate debate is, as a rule, undertaken each year.

Physical Training and Athletics

The authorities of the university, recognizing the importance of systematic physical exercise, under suitable advice, have placed the gymnasium under the charge of Dr. Ronald T. Abercrombie, and have practically put the work of this department on a par with the work done in the regular courses of study.

A careful physical and medical examination is made of each undergraduate, and such exercises are prescribed as are best suited to his needs. During his first year of residence, he is required to follow the prescribed gymnasium course, which includes also his attendance on a few lectures on hygiene. Regular class instruction is given every afternoon from five to six o'clock. The use of the gymnasium is optional in the case of graduate students, and is open to members of the university upon payment of the ordinary locker fee.

The gymnasium is a new building, 127 feet long by 35 feet wide, and is provided with convenient lockers, baths, etc., as

well as with the newest forms of apparatus. Adjoining the gymnasium proper is a "cage"—an enclosed and covered space for practice in running and in athletic sports—127 feet long, 66 feet wide, and 30 feet high. The Homewood Athletic Field will be ready for outdoor sports by October, 1906.

In order to prevent ill-advised participation in outdoor sports, and to guard against over-indulgence in training, the athletic teams of the university are under the control of the director of the gymnasium. No student is allowed to become a member of a team unless his physical condition is satisfactory, and no student is allowed to be a member of, or a candidate for, an athletic team, who is seriously deficient in his studies.

Group II. Modern Languages

First Year

PRESCRIBED SUBJECTS

LATIN 1. *Four hours weekly.*
Vergil; Livy; Horace.
Prose Composition.
Private Reading: Cæsar, *Bell. Civ.*; Vergil; Cicero.

FRENCH 1 *or* GERMAN 1. *Four hours weekly.*
Modern Prose.
Composition.
Private Reading.

PHYSICAL TRAINING.

RHETORIC 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS 1. *Three hours weekly, first half-year.*
Solid Geometry.
Advanced Algebra.

NATURAL HISTORY. *Three hours weekly and laboratory, second half-year.*
Zoology.
Botany.

Second Year

PRESCRIBED SUBJECTS

LATIN 2. *Three hours weekly.*
Catullus; Plautus.
Juvenal; Tacitus.
Private Reading: Terence; Cicero, *Letters.*

FRENCH 2. *Three hours weekly.*
The Nineteenth Century.
Selected Classics.
Literature. Composition.
Private Reading.

Or

GERMAN 2. *Three hours weekly.*
Classical Authors:
Schiller; Goethe.
Composition.
Private Reading.

VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1625.
Chaucer; Spenser; Shakespeare.
Private Reading.

GENERAL HISTORY. *Three hours weekly.*

GERMAN 1 *or* FRENCH 1. *Four hours weekly.*
(As in first year.)

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three hours weekly.*
Elementary Mechanics.
Sound. Heat. Light.
Electricity. Magnetism.
Laboratory.

GERMAN 2 *or* FRENCH 2. *Three hours weekly.*
(As in second year.)

FORENSICS. *Weekly.*

SUBJECTS ADVISED, THREE TO BE CHOSEN

FRENCH 3. *Three hours weekly.*
Development of the Novel.
The Eighteenth Century Drama.

GERMAN 3. *Three hours weekly.*
Contemporary Prose.
Lyrics and Ballads.

ENGLISH LITERATURE 5. *Three hours weekly.*

ITALIAN 1 *or* SPANISH 1. *Three hours weekly.*
Essentials of Grammar.
Translation; Composition.

LATIN 3. *Three hours weekly.*
Lucretius; The Elegy; Martial.
Pliny, *Letters;*
Roman Literature.
Private Reading: Quintilian; Cicero, *De Natura Deorum.*

ELECTIVE COURSE.* *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly.*
Logic.
Ethics.
Psychology.

SUBJECTS ADVISED

TWO MODERN LANGUAGES. *Six hours weekly.*

TWO ELECTIVE COURSES.* *Six hours weekly.*

* For courses which may be taken as electives, see page 188.

Correspondence on the foregoing matters should be addressed to the Registrar of the University.

Requirements for the Degree

Every candidate for the degree of Doctor of Philosophy must select one principal and two subordinate subjects, the combination to be approved by the Board of University Studies. These must be pursued without serious distraction and under the general direction of the professor in the principal subject of study, who is the official adviser of the candidate. The student must prepare a satisfactory dissertation, and must pass with credit certain written and oral examinations in his chosen departments of study.

Acceptance of the Candidate

A student wishing to be considered a candidate for the degree must make formal application to the Board of University Studies to be enrolled, and must be accepted by the Board at least an academic year† in advance of the time when he expects to present himself for examination in his principal subject. A blank form is provided for the purpose. After filling out this form, the student must present himself before the examiners in French and German at one of the stated examinations in these subjects. When their certificates are affixed to his application, he is to obtain the signatures of approval of the professors in the department concerned. The application, thus completed, is then to be presented to the Board for its final action.

Requirements in French and German

a. The candidate must be able to translate French and German at sight. Familiarity with journals and monographs pertaining to his principal department of study will satisfy this requirement.

b. Examinations are held in these languages at the middle

† The acceptance of a candidate by the Board at its October meeting is regarded as an acceptance at the beginning of an academic year.

and end of each academic year, at one of which times the candidate must present himself. In October there is provided a special examination for students not connected with the university during the previous academic year.

c. Students who have not acquired a reading knowledge of these languages before engaging in graduate study, are advised to pursue a course organized for that purpose during their first year. Absolving the class examination at the end of this course will be construed as satisfying this requirement for the degree of Doctor of Philosophy.

Requirements in the Subordinate Subjects

The subordinate subjects are of two grades, and are known respectively as the first subordinate and the second subordinate. Each of these subjects shall be followed by the candidate for a portion of his time, during at least one year of graduate study.

It is impossible to define with precision the amount of time to be devoted to the subordinate subjects. In general, however, it may be stated that the two subordinate subjects, taken together, should represent one year's work, two-thirds of this time being devoted to the first subordinate subject.

Dissertation

a. The dissertation must be written upon a theme approved by the adviser of the candidate, and must be completed and submitted to the Board at least four weeks before the written examinations in the principal subject are held, unless the adviser recommends a later date. The dissertation must be legibly written, or type-written, or printed, then paged and bound, in accordance with the instructions given below. The copy thus prepared is to be placed on file and become the property of the university. Before proceeding to prepare this copy, the candidate must confer with the Registrar, who will show to him a model exhibiting the kind of paper to be used and the general style of binding to be followed. On the back of the cover shall be placed the word dissertation, the name of the author, the

date, and, if possible, the title of the dissertation. The title page shall contain the words *Dissertation submitted to the Board of University Studies of the Johns Hopkins University in conformity with the requirements for the degree of Doctor of Philosophy*, in addition to the title, the name of the author, and the date.

b. The Board shall designate two or more referees, who shall present a written report on the dissertation,—said report to be filed. In the intervals between the sessions of the Board, the President shall have power to appoint the referees.

c. The candidate shall print the dissertation in full or in part,—if in part, to the extent of not less than twenty-four octavo pages, and these twenty-four pages may contain either an abstract or a section of the dissertation,—under the supervision of his adviser, within one year of the time when the degree is conferred, and shall present one hundred and fifty copies of the work to the university. A biographical sketch of the author shall be appended to the dissertation in both its manuscript and its printed form.

d. If the required number of printed copies have not been presented to the university, a deposit of $50, to insure the printing within the specified period, shall be made by the candidate at the treasurer's office before the degree is conferred. This deposit shall be returned to him when the printed copies are presented to the university.

e. If the required number of printed copies shall not be presented to the university within the specified time, the Board may declare the deposit forfeited, and may apply the amount in printing such portions as the adviser may deem proper.

Examinations

a. The candidate shall be given written examinations in the principal subject and, wherever practicable, in both subordinate subjects, and an oral examination before the Board in the principal and in the first subordinate subject.

b. The candidate shall be permitted to take the written examinations in both the first and second subordinates at the

end of the respective years in which the courses in these subjects were completed, or whenever he is ready, at the discretion of the examiner.

c. The professors in the several departments of study shall prepare written reports on the result of the examinations. These reports, together with the questions and answers, shall be laid before the Board at the oral examinations and the reports filed.

d. In the written examinations no one session shall exceed five hours.

e. In the oral examinations before the board, the time allotted to each examination shall be one hour, and three-quarters of this time shall be devoted to the principal subject.

Conferring of Degree

The names of the candidates found worthy of the degree will be submitted to the Board of Trustees, and with their approbation the degree will be publicly conferred.

COLLEGIATE INSTRUCTION

The Johns Hopkins University makes ample provision for collegiate instruction. The courses offered to undergraduates are maintained with no less care and thoroughness than those intended for advanced students; many of the most experienced members of the academic staff co-operate in the conduct of them. No small part of the influence and usefulness of the university is in connection with the collegiate classes, in which, since 1876, more than eighteen hundred students have been enrolled.

Certain features of organization and administration have contributed to the effectiveness of the undergraduate work. The scrupulous observance of the distinction between the disciplinary methods appropriate to college teaching and the freer methods of advanced instruction; the "group" arrangement of studies, combining a reasonable liberty of choice with a sufficient exercise of authority; the facilities afforded young men of superior capacity for carrying their studies beyond the requirements of graduation; the influence upon younger pupils of the presence of a large body of graduate scholars conducting investigations in all the great departments of learning:—these conditions have proved favorable to the development of earnestness and scholarly devotion.

ARRANGEMENT OF COURSES

Upon admission to the university, an undergraduate student is assigned to an Adviser (see page 193), and under his guidance is expected to select a scheme of studies composed of courses more or less connected. In order to help the student in this selection five groups of studies are organized, details concerning which are given below. Having once made a choice, a student may not change his group except with the consent of his Adviser and with the approval of the Executive Committee of the Board of Collegiate Studies.

In the formation of the various groups, the effort has been made to combine such studies as shall give the student the essential elements of a liberal education, and, at the same time, special training in certain coördinate subjects. By this method the student is not bound to a particular routine of work for which he may feel no especial inclination, nor yet is it possible for him to waste his time and attention by the injudicious selection of wholly unrelated subjects. In all the groups provision is made for certain studies prescribed for all students who are candidates for a degree, and for certain other studies peculiar to the individual group.

By reference to the detailed statement of each group given on pages 183–187, it will be seen that the courses of the first two years are prescribed, but that in each of the last two years there are but one or two prescribed studies. In each of these last two years, therefore, a student may, subject to the provisions already noted, elect four courses. With the approval of his Adviser he may select any courses which he is prepared to enter.

The following is a general statement of the characteristic features of each group:

Group I. Ancient Languages

In Group I the emphasis is laid upon Latin and Greek, each of which is studied for at least two years. In the last two years

the courses are so arranged that the student may continue the study of these languages, or, if he desires, may devote himself to the study of History, Modern Languages, or Science.

Group II. Modern Languages

In Group II the study of Latin is continued for two years, but the literary training of the student is based chiefly on the study of English, French, and German, with Spanish and Italian if desired. In the later years the courses are arranged so as to permit the student to continue the study of Modern Languages, or to give his attention to History or Science.

Group III. History and Political Economy

The study of Latin is continued in this group as in Groups I and II, but the student devotes the greater part of his time to History and Political Economy. He may continue these studies during the last two years, or he may take advanced courses in Latin, Modern Languages, or Science.

Group IV. Mathematics and Physics

In this group the training of the student is based upon the study of the exact sciences rather than upon language and history. Mathematics and Physics are studied for at least two years, and the student may also follow courses in Chemistry, Biology, or Geology. In the last two years, the student may continue the former studies, or he may take advanced courses in Modern Languages and History.

Group V. Chemistry, Biology, and Geology

In Group V the natural sciences form the basis of instruction, being supplemented by the prescribed courses in Modern Languages, History or Political Economy, and Mathematics. In the later years, the student may continue the study of Science, or he may devote his attention to Modern Languages or History.

Students who intend to enter the medical department of this university, should choose Group V, and should arrange to pursue the following courses: English, French, and German, each for two years; Mathematics, for two years; Chemistry, for at least two years; Biology and Physics, each for one year. Other prescribed courses are History or Economics for one year, and Philosophy for one year. These students are advised by the Medical Faculty to arrange their work so that their last year shall include courses in Chemistry and Biology, and if possible, a course in the Chemistry of the Carbon Compounds.

It should be noted that, in order to enter the medical department, the degree of Bachelor of Arts is required, and further that the conditions for this degree, as stated on pages 191, 192, prescribe at least three courses in one definite subject.

Group I. Ancient Languages

First Year

PRESCRIBED SUBJECTS

LATIN 1. *Four hours weekly.*
Vergil; Livy; Horace.
Prose Composition.
Private Reading: Cæsar, *Bell. Civ.*; Vergil; Cicero.

GREEK 1. *Four hours weekly.*
Xenophon; Plato; Herodotus.
Prose Composition.
Private Reading: Plato, *Crito*; Homer, *Odyssey*, two books.

PHYSICAL TRAINING.

RHETORIC 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS 1. *Three hours weekly, first half-year.*
Solid Geometry.
Advanced Algebra.

NATURAL HISTORY. *Three hours weekly and laboratory, second half-year.*
Zoology.
Botany.

Second Year

PRESCRIBED SUBJECTS

LATIN 2. *Three hours weekly.*
Catullus; Plautus.
Juvenal; Tacitus.
Private Reading: Terence; Cicero, *Letters.*

GREEK 2. *Three hours weekly.*
Lysias; Isocrates; Euripides.
Prose Composition.
Private Reading: Xenophon, *Hellenica*, book i; Euripides, *Cyclops.*

VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1625.
Chaucer; Spenser; Shakespeare.
Private Reading.

GENERAL HISTORY. *Three hours weekly.*

FRENCH *or* GERMAN ELEMENTS. *Four hours weekly.*
Essentials of Grammar.
Translation and Composition.

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three hours weekly.*
Elementary Mechanics.
Heat. Sound. Light.
Electricity. Magnetism.
Laboratory.

GERMAN *or* FRENCH ELEMENTS. *Four hours weekly.*
(As in second year.)

FORENSICS. *Weekly.*

SUBJECTS ADVISED

LATIN 3. *Three hours weekly.*
Lucretius; The Elegy; Martial.
Pliny, *Letters*;
Roman Literature.
Private Reading: Quintilian; Cicero, *De Natura Deorum.*

GREEK 3. *Three hours weekly.*
Plato; Lyric Poets; Sophocles.
Survey of Greek Literature.
Prose Composition.
Private Reading: Elegiac and Iambic Poets; Aeschylus.

ELECTIVE COURSE.* *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly.*
Logic.
Ethics.
Psychology.

SUBJECTS ADVISED

LATIN 4. *Three hours weekly.*
Petronius; Apuleius; Seneca.
Valerius Flaccus.
Private Life of the Romans.
Private Reading: Fragments of Early Latin; Suetonius, *Augustus.*

GREEK 4. *Three hours weekly.*
Thucydides; Lucian; Aristophanes.
Greek Life.
Private Reading: Demosthenes; Aristophanes.

TWO ELECTIVE COURSES.* *Six hours weekly.*

* For courses which may be taken as electives, see page 188.

Group II. Modern Languages

First Year

PRESCRIBED SUBJECTS

LATIN 1. *Four hours weekly.*
Vergil; Livy; Horace.
Prose Composition.
Private Reading: Cæsar, *Bell. Civ.*; Vergil; Cicero.

FRENCH 1 *or* GERMAN 1. *Four hours weekly.*
Modern Prose.
Composition.
Private Reading.

PHYSICAL TRAINING.

RHETORIC 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS 1. *Three hours weekly, first half-year.*
Solid Geometry.
Advanced Algebra.

NATURAL HISTORY. *Three hours weekly and laboratory, second half-year.*
Zoology.
Botany.

Second Year

PRESCRIBED SUBJECTS

LATIN 2. *Three hours weekly.*
Catullus; Plautus.
Juvenal; Tacitus.
Private Reading: Terence; Cicero, *Letters.*

FRENCH 2. *Three hours weekly.*
The Nineteenth Century.
Selected Classics.
Literature. Composition.
Private Reading.

Or

GERMAN 2. *Three hours weekly.*
Classical Authors:
Schiller; Goethe.
Composition.
Private Reading.

VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1625.
Chaucer; Spenser; Shakespeare.
Private Reading.

GENERAL HISTORY. *Three hours weekly.*

GERMAN 1 *or* FRENCH 1. *Four hours weekly.*
(As in first year.)

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three hours weekly.*
Elementary Mechanics.
Sound. Heat. Light.
Electricity. Magnetism.
Laboratory.

GERMAN 2 *or* FRENCH 2. *Three hours weekly.*
(As in second year.)

FORENSICS. *Weekly.*

SUBJECTS ADVISED, THREE TO BE CHOSEN

FRENCH 3. *Three hours weekly.*
Development of the Novel.
The Eighteenth Century Drama.

GERMAN 3. *Three hours weekly.*
Contemporary Prose.
Lyrics and Ballads.

ENGLISH LITERATURE 5. *Three hours weekly.*

ITALIAN 1 *or* SPANISH 1. *Three hours weekly.*
Essentials of Grammar.
Translation; Composition.

LATIN 3. *Three hours weekly.*
Lucretius; The Elegy; Martial.
Pliny, *Letters;*
Roman Literature.
Private Reading: Quintilian; Cicero, *De Natura Deorum.*

ELECTIVE COURSE.* *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly.*
Logic.
Ethics.
Psychology.

SUBJECTS ADVISED

TWO MODERN LANGUAGES. *Six hours weekly.*

TWO ELECTIVE COURSES.* *Six hours weekly.*

* For courses which may be taken as electives, see page 188.

Group III. History and Political Economy

First Year

PRESCRIBED SUBJECTS

LATIN 1. *Four hours weekly.*
Vergil; Livy; Horace.
Prose Composition.
Private Reading: Caesar, *Bell. Civ.*; Vergil; Cicero.

FRENCH 1 *or* GERMAN 1. *Four hours weekly.*
Modern Prose.
Composition.
Private Reading.

PHYSICAL TRAINING.

RHETORIC 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS 1. *Three hours weekly, first half-year.*
Solid Geometry.
Advanced Algebra.

NATURAL HISTORY. *Three hours weekly and laboratory, second half-year.*
Zoology.
Botany.

Second Year

PRESCRIBED COURSES

LATIN 2. *Three hours weekly.*
Catullus; Plautus; Juvenal; Tacitus.
Private Reading: Terence; Cicero, *Letters.*

GERMAN 1 *or* FRENCH 1. *Four hours weekly.*
(As in first year.)

VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1625.
Chaucer; Spenser; Shakespeare.
Private Reading.

HISTORY 1. *Three hours weekly.*
Ancient Greece.
Ancient Rome.

POLITICAL ECONOMY 1. *Three hours weekly.*
Economic History.
Elements of Economics.

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three hours weekly.*
Elementary Mechanics.
Heat. Sound. Light.
Electricity. Magnetism.
Laboratory.

FORENSICS. *Weekly.*

SUBJECTS ADVISED

HISTORY 2. *Three hours weekly.*
European History.

HISTORY 3. *Three hours weekly.*
English History.

POLITICAL ECONOMY 2. *Three hours weekly.*
History of Economic Theory.
Economic Institutions.

ELECTIVE COURSE.* *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly.*
Logic.
Ethics.
Psychology.

SUBJECTS ADVISED

HISTORY 4. *Three hours weekly.*
American History.

POLITICAL ECONOMY 3. *Three hours weekly.*
Statistical Methods.
Finance.

TWO ELECTIVE COURSES.* *Six hours weekly.*

* For courses which may be taken as electives, see page 188.

Group IV. Mathematics and Physics

First Year

PRESCRIBED SUBJECTS

CHEMISTRY 1. *Three hours lectures, six hours laboratory weekly.*
General Chemistry.
Laboratory Work.
FRENCH 1 *or* GERMAN 1. *Four hours weekly.*
Modern Prose.
Composition.
Private Reading.
PHYSICAL TRAINING.

RHETORIC 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.
MATHEMATICS 1. *Three hours weekly.*
Solid Geometry.
Advanced Algebra.
Plane Analytic Geometry.

Second Year

PRESCRIBED SUBJECTS

MATHEMATICS 2. *Three hours weekly.*
Differential and Integral Calculus.
PHYSICS 1. *Three hours weekly.*
Elementary Mechanics.
Heat. Sound. Light.
Electricity. Magnetism.
Laboratory.
VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1625.
Chaucer; Spenser; Shakespeare.
Private Reading.
GENERAL HISTORY. *Three hours weekly.*
Or
POLITICAL ECONOMY 1. *Three hours weekly.*
Economic History.
Elements of Economics.
GERMAN 1 *or* FRENCH 1. *Four hours weekly.*
(As in first year.)

Third Year

PRESCRIBED SUBJECTS

MATHEMATICS 3. *Three hours weekly.*
Differential and Integral Calculus.
Determinants.
Projective Geometry.
Solid Analytic Geometry.
PHYSICS 2. *Three hours lectures, six hours laboratory weekly.*
Theoretical Mechanics.
Electricity. Magnetism.
Laboratory.
FORENSICS. *Weekly.*

SUBJECTS ADVISED

GEOLOGY 1. *Three hours lectures, six hours laboratory weekly.*
Crystallography.
Descriptive Mineralogy.
Physiography. Laboratory.
Or
BIOLOGY 1. *Three hours lectures, six hours laboratory weekly.*
General Biology.
Embryology.
Or
CHEMISTRY 2. *Three hours lectures, six hours laboratory weekly.*
Advanced Inorganic Chemistry.
ELECTIVE COURSE.* *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly.*
Logic.
Ethics.
Psychology.

SUBJECTS ADVISED

MATHEMATICS 4. *Three hours weekly.*
PHYSICS 3. *Three hours lectures, six hours laboratory weekly.*
ELECTIVE COURSES* (to make up the requisite number of hours).

* For courses which may be taken as electives, see page 188.

Group V. Chemistry, Biology, and Geology †

First Year

PRESCRIBED SUBJECTS

CHEMISTRY 1. *Three hours lectures, six hours laboratory weekly.*
- General Chemistry.
- Laboratory Work.

FRENCH 1 *or* GERMAN 1. *Four hours weekly.*
- Modern Prose.
- Composition.
- Private Reading.

PHYSICAL TRAINING.

RHETORIC 1. *Three hours weekly.*
- Principles of Rhetoric.
- Rhetorical Analysis.
- Practice in Writing.

MATHEMATICS 1. *Three hours weekly.*
- Solid Geometry.
- Advanced Algebra.
- Plane Analytic Geometry.

Second Year

PRESCRIBED SUBJECTS

ENGLISH LITERATURE 1. *Three hours weekly.*
- Outline History to 1625.
- Chaucer; Spenser; Shakespeare.
- Private Reading.

GERMAN 1 *or* FRENCH 1. *Four hours weekly.*
- (As in first year.)

VOCAL TRAINING. *Weekly.*

TWO OF THE FOLLOWING

CHEMISTRY 2. *Three hours lectures, six hours laboratory weekly.*
- Advanced Inorganic Chemistry.

BIOLOGY 1. *Three hours lectures, six hours laboratory weekly.*
- General Biology.
- Embryology.

GEOLOGY 1. *Three hours lectures, six hours laboratory weekly.*
- Crystallography.
- Descriptive Mineralogy.
- Physiography.

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three hours lectures, six hours laboratory weekly.*
- Theoretical Mechanics.
- Heat. Sound. Light.
- Electricity. Magnetism.

GENERAL HISTORY. *Three hours weekly.*

Or

POLITICAL ECONOMY 1. *Three hours weekly.*
- Economic History.
- Elements of Economics.

FORENSICS. *Weekly.*

NOTE.—If Political Economy be chosen, Biology 1 (see second year) may be taken in this year.

SUBJECTS ADVISED

CHEMISTRY 2. *Three hours lectures, six hours laboratory weekly.*
- (As in second year.)

Or

CHEMISTRY 3. *Three hours lectures, six hours laboratory weekly.*
- Chemistry of Carbon Compounds.

Or

BIOLOGY 2. *Three hours lectures, six hours laboratory weekly.*
- Comparative Anatomy of Vertebrates.
- Anatomy and Histology of Plants.

Or

GEOLOGY 1. *Three hours lectures, six hours laboratory weekly.*
- (As in second year.)

Or

GEOLOGY 2. *Three hours lectures, six hours laboratory weekly.*
- Physical Geology.
- Structural Geology.
- Historical Geology.
- Laboratory: Elementary Petrography; Outline Paleontology.

ELECTIVE COURSE.* *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly.*
- Logic.
- Ethics.
- Psychology.

SUBJECTS ADVISED

TWO SCIENCES. *Six hours lectures, twelve hours laboratory weekly.*

ELECTIVE COURSE.* *Three hours weekly.*

* For courses which may be taken as electives, see page 188.

† See statement as to requirements for the medical department on page 182.

Graduate students following an undergraduate course are required to attend such exercises and examinations in this course as the instructor may elect.

Relations with other Institutions. No candidate for graduation, or special student, shall, during the academic year, follow courses in any professional school, or in any institution other than the university, unless permission to do so be expressly granted by the Board of Collegiate Studies. This permission will not, in general, be granted to students who are assigned the full number of hours in the university.

REQUIREMENTS FOR ADMISSION

Those who wish to pursue undergraduate courses in the university should apply to the registrar for a blank form of "Application for Admission," which must be filled up and returned to the registrar one week at least before the time set for the entrance examinations. These examinations are held at the university in June and September of each year.

To accommodate those who wish to take their examinations elsewhere, the university will accept certificates from the College Entrance Examination Board for subjects passed in accordance with its regulations. (See page 204.)

Applicants for Matriculation

Those who wish to become candidates for the degree of Bachelor of Arts must present the following certified statements:

1. A statement of the successful completion of courses in Arithmetic, Political Geography, Freehand Drawing, and either Physical Geography or a science such as Botany, Chemistry, Physics. The course in science must include laboratory work on the part of the student.

2. A statement in regard to the several languages required for matriculation. This should give the following information:

SYNOPSIS OF GROUPS

Group I	Group II	Group III	Group IV	Group V
FIRST YEAR				
Latin 1. Greek 1. Rhetoric 1. Mathematics 1. Natural History. Physical Training.	Latin 1. French 1 or German 1. Rhetoric 1. Mathematics 1. Natural History. Physical Training.	Latin 1. French 1 or German 1. Rhetoric 1. Mathematics 1. Natural History. Physical Training.	Chemistry 1. French 1 or German 1. Rhetoric 1. Mathematics 1. Physical Training.	Chemistry 1. French 1 or German 1. Rhetoric 1. Mathematics 1. Physical Training.
SECOND YEAR				
Latin 2. Greek 2. English Literature 1. French Elements or German Elements. General History. Vocal Training.	Latin 2. German 1 or French 1. English Literature 1. General History. French 2 or German 2. Vocal Training.	Latin 2. German 1 or French 1. English Literature 1. History 1. Political Economy 1. Vocal Training.	Mathematics 2. Physics 1. German 1 or French 1. English Literature 1. General History or Political Economy. Vocal Training.	English Literature 1. German 1 or French 1. Two of these: Biology 1. Geology 1. Chemistry 2. Vocal Training.
THIRD YEAR				
Physics 1. German Elements or French Elements. Forensics. ——— Latin 3. Greek 3. An Elective.	Physics 1. German 2 or French 2. Forensics. ——— Two Languages. An Elective.	Physics 1. Forensics. ——— History 2. History 3. Political Economy 2. An Elective.	Mathematics 3. Physics 2. Forensics. ——— A Science. An Elective.	Physics 1. General History or Political Economy. Forensics. ——— A Science. An Elective.
FOURTH YEAR				
Philosophy. ——— Latin 4. Greek 4. Two Electives.	Philosophy. ——— Two Modern Languages. Two Electives.	Philosophy. ——— History 4. Political Economy 3. Two Electives.	Philosophy. ——— Mathematics 4. Physics 3. Electives.	Philosophy. ——— Two Sciences. An Elective.

SCHEDULE

Hours	Monday	Tuesday	Wednesday	Thursday	Friday
9	French 2. German 2. Greek 2. Mathematics 2. Geology 1.	Latin 1. Chemistry 1. Biology 1. General History. Mathematics 3. History 1. Italian 1. Spanish 1.	Latin 1. Political Economy 1. History 2. Chemistry 2. English Literature 5. Physics 3. Geology 3.	Latin 1. Chemistry 1. Biology 1. General History. Mathematics 3. History 1. Italian 1. Spanish 1.	Latin 1. Chemistry 1. Biology 1. General History. Mathematics 3. History 1. Italian 1. Spanish 1.
10	Mathematics 1. Natural History. Physics 1. Latin 2. Philosophy.	French 2. German 2. Greek 2. Mathematics 2. Geology 1.	Mathematics 1. Natural History. Physics 1. Latin 2. Philosophy.	Political Economy 1. History 2. Chemistry 2. English Literature 5. Physics 3. Geology 3.	Mathematics 1. Natural History. Physics 1. Latin 2. Philosophy.
11	Rhetoric. Physics 2. Economics 2. Greek 3. History 4. Chemistry 3. Biology 3. Mathematics 4.	Rhetoric. Physics 2. Economics 2. Greek 3. History 4. Chemistry 3. Biology 3. Mathematics 4.	French 2. German 2. Greek 2. Mathematics 2. Geology 1.	Rhetoric. Physics 2. Economics 2. Greek 3. History 4. Chemistry 3. Biology 3. Mathematics 4.	Political Economy 1. History 2. Chemistry 2. English Literature 5. Physics 3. Geology 3.
12	Greek 1. French 1. German 1. Biology 2. Geology 2. History 3. Economics 3. Latin 3.	Greek 1. French 1. German 1. Biology 2. Geology 2. History 3. Economics 3. Latin 3.	Greek 1. French 1. German 1. Biology 2. Geology 2. History 3. Economics 3. Latin 3.	Greek 1. French 1. German 1. English Literature 1.	English Literature 1.
1	No lectures or recitations of any kind may come at one o'clock.				
2	Laboratory. German Elements.	Laboratory. German Elements.	English Literature 1.	Laboratory. German Elements.	Laboratory. German Elements.
3	French Elements. German 3. English Literature 6. Spanish 2. Italian 2. Latin 4.	French Elements. German 3. English Literature 6. Spanish 2. Italian 2. Latin 4.		French Elements. German 3. English Literature 6. Spanish 2. Italian 2. Latin 4.	French Elements.
4	French 3. Greek 4.	French 3. Greek 4.		French 3. Greek 4.	

REQUISITES FOR THE DEGREE OF BACHELOR OF ARTS

As evidence that the collegiate course has been successfully completed, the degree of Bachelor of Arts is conferred at its close. The degree signifies, in the case of every recipient, such instruction in ancient and modern languages, in mathematics, in the physical and natural sciences, in literature, philosophy, and history, as is believed to be essential to a liberal education.

Twenty courses are required for graduation, and no combination of studies is accepted which does not include three courses in one subject and two courses in another subject.*

All candidates for a degree take the following prescribed courses, which are for one year unless otherwise noted:

Rhetoric.
English Literature.
French.
German.
History, or (in Groups IV and V) Political Economy.
Physics.
Mathematics—
  In Groups I, II, and III, one-half year.
  In Groups IV and V, one year.
Philosophy.
Vocal Training.
Forensics.
Physical Exercises.
A Laboratory Course—
  In Groups I, II, and III, Natural History (one-half year).
  In Groups IV and V, Chemistry and Physics.

The remaining courses necessary to complete the number required are chosen, subject to the approval of the Adviser, in accordance with the schemes outlined under the several groups.

*For the definition of a "course" see page 195.

the translation will be at sight, and, in all translations, simple, idiomatic English will be required.

(*c*) Translation into Latin of a passage of easy connected English prose.

In case the examination is divided, as provided for on page 46, (*a*) should be offered at the preliminary examination.

5. GREEK.—A systematic course of instruction extending over three school years at least is presupposed. The applicant should have read the following texts:

Xenophon, *Anabasis*, at least four books,

Homer, *Iliad*, at least four books, or *Odyssey*, at least six books.

The examination will include three elements:

(*a*) Greek Grammar (both forms and syntax), based largely on Xenophon, *Anabasis*, Books I and II.

(*b*) Translation into English of Attic prose and of Homer, together with questions suggested by the text, including questions on Homeric life and the prosody of the Homeric poems. A part of the translation will be at sight, and in all translations simple, idiomatic English will be required.

(*c*) Translation into Greek (with accents) of a passage of easy connected English prose.

Throughout the entire preparatory course the student should have constant practice in reading Greek aloud, giving careful attention to accent and quantity, and constant practice in Greek prose composition, both written and oral. A systematic study of the essentials of Greek grammar should be carried on throughout the preparatory course.

In case the examination is divided as provided for on page 46, (*a*) should be offered at the preliminary examination.

Applicants not offering Greek must meet the following requirements in French and German:—

6. FRENCH.—The requirement in French presupposes a systematic course extending over at least two school years, at the end of which time the student should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of every-day life or based upon a portion of the French text read, and to answer questions on the rudiments of French grammar. The examination, which may not be divided, will comprise:

(*a*) Questions on the elements of French grammar, including the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence; and the elementary rules of syntax.

(*b*) The translation into French of short sentences illustrative of the rules of grammar and of a short paragraph based on a French text given. In place of the translation of this paragraph the candidate may substitute an original exercise in French on a subject set by the examiner.

STANDING COMMITTEES, ADVISERS, AND SCHOLARSHIPS

Standing Committees. The Board of Collegiate Studies appoints four standing committees:

1. The Executive Committee.
2. The Committee on Admission.
3. The Committee on Scholarships and Honors.
4. The Committee on Assignment of Advisers.

The Dean of the College Faculty is *ex officio* a member of each of these.

The Executive Committee has charge of such matters pertaining to discipline and general administration as may be delegated to it by the Board of Collegiate Studies.

Advisers. When an undergraduate student is admitted to the university, he is assigned to an Adviser by the standing committee charged with this duty, and he will, under ordinary circumstances, remain under the direction of the same Adviser during his whole course. The approval of the Adviser is necessary before the student can enter upon any course of study; no instructor will receive into a class a student who does not bring with him (in a book provided for that purpose) assurance that his Adviser approves his pursuing the study at that time; and no student is allowed, without the consent of his Adviser, to discontinue any work. Each Adviser endeavors to establish relations of friendliness and confidence with the students assigned to his care; he not only gives counsel in regard to the selection of studies, but promotes the welfare of his students in every practicable way.

Scholarships. Sixteen "Hopkins Scholarships," established in accordance with directions contained in the will of the founder of the university, are open to residents of the State of Maryland. They entitle the holder to free tuition, but do not carry exemption from laboratory fees. They are tenable for the year subsequent to the appointment, the holders being re-eligible. Successful candidates who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, may do so,

to attend its classes and lectures with profit to themselves and the institution. Such persons may be admitted, without matriculation, to a limited number of undergraduate courses; but the privilege once accorded will be forfeited at any time that the student is found unworthy of it.

The requirements for admission as a special student are that the applicant shall pass such examinations, and shall present such other evidence of fitness to pursue the desired courses, as may in each case be required by the Committee on Admission. In the past, many excellent students have been thus enrolled, among whom not a few have subsequently changed their plans, passed the matriculation examinations, and at length received the degree of Bachelor of Arts.

College Entrance Examination Board

The College Entrance Examination Board holds examinations at numerous places in the country about the third week of June of each year, information in regard to which may be obtained by addressing The College Entrance Examination Board, Post Office Sub-Station 84, New York.

These examinations, if passed with a mark of not less than 60%, will be accepted for admission, in accordance with the following scheme of equivalents:

THE JOHNS HOPKINS UNIVERSITY	COLLEGE ENTRANCE EXAMINATION BOARD
Algebra *a*.	Mathematics *a*, *i*.
Algebra *b*.	Mathematics *a*, *ii*.
Plane Geometry.	Mathematics *c*.
Plane Trigonometry.	Mathematics *d*.
Latin *a*.	Latin *a*, *b*, *m*.
Latin *b* and *c*.	Latin *c*, *d*, *e*, *p* and *q*.
Greek *a*.	Greek *a*, *b*.
Greek *b* and *c*.	Greek *c*, *f*, *g* and *h*.
French.	Elementary Requirement.
German.	Elementary Requirement.
English I.	English *a*.
English II.	English *b*.
History of Greece and Rome.	History *a*.
History of England and the United States.	History *c*, *d*.

Twenty "Maryland Scholarships" are annually offered to residents of this State. They entitle the holders to free tuition, but do not carry exemption from laboratory fees. The scholarships are for the benefit of all parts of the State, and, accordingly, not more than one-half the number are awarded to residents of the city of Baltimore, and not more than one-half to those who are already members of the university. The appointing board consists of the President of the Board of Trustees, the President of the University, and the Dean of the College Faculty. The usual entrance examinations must be passed by the candidates. Application must be made in accordance with a prescribed form.

EXAMINATIONS, REGULATIONS, ETC.

Courses. The "standard course" of study in the undergraduate classes of the university consists of three meetings each week, of one hour each, through the year. In certain cases, a course requires four hours per week.

Laboratory instruction, six hours a week through the year, counts as one-half a course.

Latin and Greek Prose Composition, one hour a week through the year, count each as one-half a course.

Vocal Training and Forensics, each for one year, count together as one-half a course.

Examinations. Examinations in all classes are held at the close of each academic year in the ten days preceding Commencement. These are based upon the work of the entire year, and the time allotted to each examination is as follows: in a standard course, three hours; in a two-hour course, two hours; in a one-hour course, one hour; in a six-hour laboratory course, two sessions of three hours each in the laboratory.

In addition to these final examinations, intermediate examinations are held during the academic year. In order to afford opportunity for them, the regular work is suspended during the days immediately preceding the Christmas and Easter

recesses. At these periods the time allotted for each examination is two hours for a standard course, and one hour for a two-hour or a one-hour course.

Instructors who do not desire to examine their classes at the intermediate periods stated, may appoint other hours for examination, subject to the approval of the Dean. In this case, standard courses are allowed, in addition to the final examinations, not more than three hours of examinations during the year; two-hour courses, two hours; and one-hour courses, one hour. All examinations are so arranged as not to interfere with the regular work of the members of the classes. In each laboratory course, two sessions of three hours each may be devoted to practical examinations in the laboratory.

Unannounced examinations or written recitations may be held at any time, in place of the regular class meeting.

Reports. Each instructor files with the Registrar, previous to the Christmas and Easter recesses and after the final examination, Official Reports of the standing of each student in his class. These are based upon both the regular exercises and the examinations, and are made in terms of the system of marks adopted by the Board. The average of these three marks is the record of the student for the year.

In case of illness or unavoidable absence at the time of an examination, a provisional mark is reported, based upon classwork, essays, etc. When the examination is taken, this mark is corrected, if necessary.

In addition to the Official Reports, informal reports are made by each instructor on November 1, February 1, and May 1.

Marks. The scale of marks for official reports is 10, 9.5, 9, etc. The highest mark is 10, which signifies "excellence," and a mark less than 6 denotes "failure."

Withdrawal from the University. A candidate for the Bachelor's degree who has not passed all the matriculation examinations at the close of the autumn matriculation examination of his third year of residence, ceases to be a member of the university. He is not allowed to return until after the Christ-

mas recess following, and then only provided the deficiencies have been fully absolved.

A student who, at any time, has in his record failures in three courses, ceases to be a member of the university. (A failure in any course on a previous Official Report which has not been absolved by a second examination or by additional work, counts as one of these three.) In case the student desires to return to the university, he must make written application to the Board of Collegiate Studies.

Limitations upon Number of Courses. No student whose work is seriously in arrears may, except by permission of the Board, take the full number of courses prescribed for undergraduates; nor may any student, except by consent of the Board, take more than five courses. This consent is not granted to a student in his first year of residence; nor in later years if the student's record during the previous year—taking into account all his courses—was below "8."

A student who is not fully matriculated is not permitted to take more than four courses.

Athletic Teams and Musical Clubs. No student is permitted to be a member of, or a candidate for, an athletic team or a musical club, if his average standing on the preceding Official Reports is below "7."

No "attendant upon a single course" is permitted to represent the university on any athletic team or in any athletic competition.

Repetition of Courses. At the request of an instructor in any class, a student is required to repeat the work of that course, in whole or in part, if it is to count as one required for graduation.

A student whose record for the year in Rhetoric is below "8" may be required to take in the following year an additional course in the subject, one hour a week through the year.

Relations with the Graduate Departments. No course of study given in the medical department and no graduate course may count as part of the work required for the degree of Bachelor of Arts.

Graduate students following an undergraduate course are required to attend such exercises and examinations in this course as the instructor may elect.

Relations with other Institutions. No candidate for graduation, or special student, shall, during the academic year, follow courses in any professional school, or in any institution other than the university, unless permission to do so be expressly granted by the Board of Collegiate Studies. This permission will not, in general, be granted to students who are assigned the full number of hours in the university.

REQUIREMENTS FOR ADMISSION

Those who wish to pursue undergraduate courses in the university should apply to the registrar for a blank form of "Application for Admission," which must be filled up and returned to the registrar one week at least before the time set for the entrance examinations. These examinations are held at the university in June and September of each year.

To accommodate those who wish to take their examinations elsewhere, the university will accept certificates from the College Entrance Examination Board for subjects passed in accordance with its regulations. (See page 204.)

Applicants for Matriculation

Those who wish to become candidates for the degree of Bachelor of Arts must present the following certified statements:

1. A statement of the successful completion of courses in Arithmetic, Political Geography, Freehand Drawing, and either Physical Geography or a science such as Botany, Chemistry, Physics. The course in science must include laboratory work on the part of the student.

2. A statement in regard to the several languages required for matriculation. This should give the following information:

(*a*) the authors read, (*b*) the extent of reading in each, (*c*) the length of time devoted to each subject and the number of exercises weekly.

Blank spaces for these certified statements will be found in the form of "Application for Admission" referred to above, and these should be filled up and signed by the teacher or by the head of the school, under whom the applicant has prepared for college.

If these statements are satisfactory, the applicant will be admitted to the matriculation examinations; if they are unsatisfactory, the Committee on Admission will prescribe such conditions as may be necessary.

A candidate admitted to the examination is expected to pass in the following subjects:

Mathematics.	Latin.
English.	Greek
History.	or
	French and German.

Details of the requirements in these subjects will be found below.

Division of the Matriculation Examinations

The applicant may pass a part of the examinations one year before his admission to the university and receive credit, under the following conditions:

In his application *he must distinctly declare his intention to divide the examinations.* The subjects passed will not count towards matriculation unless the applicant offers the remaining subjects within the ensuing year. The first part of the divided examination will be confined to the following subjects, of which the applicant will be expected to pass in the first three at least:

English (*a*).	French or German.
Algebra (*a*).	History of the United States or of Greece.
Latin (*a*).	History of England or of Rome.
Plane Geometry.	
Greek (*a*).	

THE JOHNSTON SCHOLARSHIPS

These scholarships, of which there are three, known as the Henry E. Johnston, the James Buchanan Johnston, and the Henry E. Johnston, Jr., Scholarships, were founded by Mrs. Harriet Lane Johnston, of Washington, formerly of Baltimore, in memory of her husband and her two sons. They are awarded annually by the Trustees on the recommendation of the Academic Council. The stipend of each scholarship is the income of thirty thousand dollars. They are offered primarily to young men who have given evidence of the power of independent research. The holders of the scholarships will be expected to devote themselves to study and research in their chosen subjects, though they may be required to do some teaching. Each one will be designated as "Holder of the . . . . . Johnston Scholarship."

Regulations

Candidates for the Johnston Scholarships must make application, in writing, to the President of the Johns Hopkins University before the first of May. The applications must be accompanied by such evidence of the candidates' fitness as they may be able to present. The President will refer the papers to the Academic Council, by whom the nominations will be made to the Board of Trustees at their meeting in June.

Holders of the scholarships may not engage in teaching elsewhere.

The scholars will be appointed for one year, but, if their work should prove satisfactory, they will generally be reappointed.

Group VI (*two* to be selected).

Coleridge's *The Ancient Mariner*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Palgrave's *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley; Macaulay's *Lays of Ancient Rome*; Poe's *Poems*; Lowell's *The Vision of Sir Launfal*; Arnold's *Sohrab and Rustum*; Longfellow's *The Courtship of Miles Standish*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Evelyn Hope*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *The Boy and the Angel*, *One Word More*, *Hervé Riel*, *Pheidippides*.

II. *Study and Practice.* This part of the examination presupposes the careful study of each of the works named below. The examination will be upon subject-matter, form, and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy.

The books set for this part of the examination will be:

In 1906, 1907, and 1908: Shakespeare's *Julius Cæsar*; Milton's *L'Allegro*, *Il Penseroso*, *Comus*, and *Lycidas*; Burke's *Speech on Conciliation with America*; Macaulay's *Essay on Addison* and *Life of Johnson*.

In 1909: Shakespeare's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, *Comus*, and *Lycidas*; Burke's *Speech on Conciliation with America*, or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

In connection with the reading and study of the required books, parallel or subsidiary reading should be encouraged, and a considerable amount of English poetry should be memorized. The essentials of English grammar should not be neglected in preparatory study.

NOTE.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or division into paragraphs.

Although candidates will be permitted to take the entire examination at the time of entrance, it is strongly recommended that Part I be taken as a preliminary examination and Part II as a final examination. Candidates will thus have an opportunity to make up deficiencies which may be discovered at the preliminary examination, and to enter the university without a condition in English.

3. HISTORY.—The outlines of the History of England and the United States or of the History of Greece and Rome, and the outlines of Geography.

4. LATIN.—A systematic course of instruction extending over four school years at least is presupposed. The applicant should have read the following texts:

Nepos and Cæsar, at least 100 pages.*

Cicero's Orations, at least 100 pages.*

Ovid and Vergil, at least 6000 verses.

The examination will include three elements:

(*a*) Latin Grammar (both forms and syntax), based on Cæsar, *Gallic War*, Book I, and Cicero, *Orations against Catiline*, I, II, and III.

(*b*) Translation into English of Latin prose and verse, together with questions suggested by the text, including questions on prosody. A part of

*The standard page is that of the Teubner texts.

the translation will be at sight, and, in all translations, simple, idiomatic English will be required.

(*c*) Translation into Latin of a passage of easy connected English prose.

In case the examination is divided, as provided for on page 46, (*a*) should be offered at the preliminary examination.

5. GREEK.—A systematic course of instruction extending over three school years at least is presupposed. The applicant should have read the following texts:

Xenophon, *Anabasis*, at least four books,

Homer, *Iliad*, at least four books, or *Odyssey*, at least six books.

The examination will include three elements:

(*a*) Greek Grammar (both forms and syntax), based largely on Xenophon, *Anabasis*, Books I and II.

(*b*) Translation into English of Attic prose and of Homer, together with questions suggested by the text, including questions on Homeric life and the prosody of the Homeric poems. A part of the translation will be at sight, and in all translations simple, idiomatic English will be required.

(*c*) Translation into Greek (with accents) of a passage of easy connected English prose.

Throughout the entire preparatory course the student should have constant practice in reading Greek aloud, giving careful attention to accent and quantity, and constant practice in Greek prose composition, both written and oral. A systematic study of the essentials of Greek grammar should be carried on throughout the preparatory course.

In case the examination is divided as provided for on page 46, (*a*) should be offered at the preliminary examination.

Applicants not offering Greek must meet the following requirements in French and German:—

6. FRENCH.—The requirement in French presupposes a systematic course extending over at least two school years, at the end of which time the student should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of every-day life or based upon a portion of the French text read, and to answer questions on the rudiments of French grammar. The examination, which may not be divided, will comprise:

(*a*) Questions on the elements of French grammar, including the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence; and the elementary rules of syntax.

(*b*) The translation into French of short sentences illustrative of the rules of grammar and of a short paragraph based on a French text given. In place of the translation of this paragraph the candidate may substitute an original exercise in French on a subject set by the examiner.

(*c*) The translation, at sight, into English of easy French prose.

(*d*) An oral exercise in pronunciation.

The candidate should have read from 400 to 500 pages of French prose taken from a standard reader and from the texts edited for elementary use, as listed by the leading publishers; especially those of the works of About, Bruno, Dumas, Erckmann-Chatrian, Halévy, Laboulaye, Labiche and Martin, Malot, Sand, and Verne. Grammars recommended are Frazer and Squair's Part I, Joynes' Minimum, Longman's, and Perry and Reums' French Book.

7. GERMAN.—The requirement in German presupposes at least two years of school work under approved methods, with four recitations weekly, and the reading of a minimum of 300 pages of easy dialogue and narrative prose.

Candidates are expected to give particular attention to pronunciation, to the acquisition of an elementary German vocabulary, and to an accurate knowledge of the rudiments of German grammar, in quantity corresponding to Vos's *Essentials of German.*

The examination, which may not be divided, will include:

(*a*) Translation at sight of passages of simple dialogue and narrative prose. Help will be given on unusual words and constructions.

(*b*) Questions on grammatical forms and syntax. These will, as a rule, be based upon the passages assigned for translation.

(*c*) Translation into German of easy English from the language of every day life. In addition, a brief rendering of English into German, based on the passages described under (*a*), may be required.

Selections may be made from such texts as the following:

Baumbach, *Sommermärchen; Der Schwiegersohn.* Benedix, *Eigensinn; Der Prozess.* Gerstäcker, *Germelshausen; Irrfahrten.* Hauff, *Das kalte Herz.* Heyse, *L'Arrabbiata.* Riehl, *Burg Neideck.* Saar, *Die Steinklopfer.* Seidel, *Leberecht Hühnchen.* Stifter, *Das Haidedorf.* Storm, *Immensee; In St. Jürgen.* Sudermann, *Teja.* Wildenbruch, *Das edle Blut; Der Letzte.*

APPLICANTS FOR ADVANCED STANDING

A student may be admitted to advanced standing by passing the necessary examinations, or, in case he enters after matriculation in another college, provided he submits certificates from that institution, which are satisfactory to the Committee on Admission.

SPECIAL STUDENTS

The university is ready to receive as special students those who are qualified by age, character, attainments, and habits of study,

to attend its classes and lectures with profit to themselv and the institution. Such persons may be admitted, witho matriculation, to a limited number of undergraduate course but the privilege once accorded will be forfeited at any time th the student is found unworthy of it.

The requirements for admission as a special student are th the applicant shall pass such examinations, and shall present suc other evidence of fitness to pursue the desired courses, as ma in each case be required by the Committee on Admission. I the past, many excellent students have been thus enrolle among whom not a few have subsequently changed their plan passed the matriculation examinations, and at length received t degree of Bachelor of Arts.

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THE JOHNS HOPKINS UNIVERSITY	COLLEGE ENTRANCE EXAMINATIO BOARD
Algebra *a*.	Mathematics *a*, *i*.
Algebra *b*.	Mathematics *a*, *ii*.
Plane Geometry.	Mathematics *c*.
Plane Trigonometry.	Mathematics *d*.
Latin *a*.	Latin *a*, *b*, *m*.
Latin *b* and *c*.	Latin *c*, *d*, *e*, *p* and *q*.
Greek *a*.	Greek *a*, *b*.
Greek *b* and *c*.	Greek *c*, *f*, *g* and *h*.
French.	Elementary Requirement.
German.	Elementary Requirement.
English I.	English *a*.
English II.	English *b*.
History of Greece and Rome.	History *a*.
History of England and the United States.	History *c*, *d*.

MATRICULATION EXAMINATIONS, 1906

Wednesday, June 13 *and September* 26

9–10 a. m.—History.
10–11 a. m.—Science.
10–11 a. m.—Latin.*
11 a. m.–1 p. m.—English.
3–6 p. m.—Latin.

Thursday, June 14 *and September* 27

9–11 a. m.—Arithmetic and Algebra.
11 a. m.–12 m.—French and German (*elements*).
11 a. m.–1 p. m.—French.*
3–6 p. m.—Plane and Solid Geometry.

Friday, June 15 *and September* 28

9–10.30 a. m.—Trigonometry.
10.30 a. m.–12 m.—Analytic Geometry.
3–6 p. m.—Greek.
3–6 p. m.—French and German (*minor courses*).
3–4 p. m.—German (*elements*).
3–5 p. m.—German.*

MATRICULATION EXAMINATIONS, 1907

Tuesday, June 4, *and September* 24.

9 a. m.–12 m.—Algebra.
3–5 p. m.—English.

Wednesday, June 5, *and September* 25.

9 a. m.–12 m.—Plane Geometry and Trigonometry.
3–5 p. m.—History.

Thursday, June 6, *and September* 26.

9–11 a. m.—Latin.
3–5 p. m.—Latin.

Friday, June 7, *and September* 27.

9–11 a. m.—Greek and German.
3–5 p. m.—Greek and French.

* New requirements only.

SCHOLARSHIPS

[Regulations approved by the Trustees April 3, 1899, on the recommendation of the Academic Council, the Board of University Studies, and the Board of Collegiate Studies.]

University Scholarships

For the encouragement of scholarship among those who have taken the baccalaureate degree and wish to continue their studies here, a number of University Scholarships are annually bestowed, as stated below :

1. Fifteen scholarships are open about the first of January to graduates of this or of other institutions, who have been studying here during the previous part of the session. Those who wish to be candidates must make formal application to the President, stating where they have been previously trained and what studies they have pursued in this university. He will appoint a committee of five to consider the applications, and, with the aid of such evidence as may be obtained, to make nominations to the Board of University Studies.

2. These scholarships entitle the holders to free tuition and are tenable for one year. They do not carry exemption from laboratory fees.

3. They are awarded as honors, and those who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, or who are desirous of studying elsewhere, may do so and still have their names retained on the honor list. Those who receive the emolument will be expected to pursue their studies exclusively in this university.

4. The Board will reserve appointments, if worthy candidates do not offer.

Hopkins Scholarships

In the will of the founder of the university, his Trustees are requested to "establish, from time to time, such number of free scholarships in said university as may be judicious, and to distribute the said scholarships among such candidates from the

least one year. This should include four hours a week of class-room work and at least one afternoon a week of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to the mechanical and electrical experiments.

In Latin the candidate should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Cæsar or their equivalent.

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school, and the knowledge of French, German, Latin, physics, chemistry, and biology above indicated.

Applicants for admission will receive blanks to be filled out relating to their previous courses of study. They are required to furnish certificates from officers of the colleges or scientific schools where they have studied, as to the courses pursued in physics, chemistry, and biology. If such certificates are satisfactory, no examination in these subjects will be required from those who possess a degree in arts or in science from an approved college or scientific school.

Hearers and special workers, not candidates for a degree, will be received at the discretion of the Faculty.

ADMISSION TO ADVANCED STANDING

Applicants for admission to advanced standing must furnish evidence (1) that the foregoing terms of admission as regards preliminary training have been fulfilled, (2) that courses equivalent in kind and amount to those given here, preceding that year of the course for admission to which application is made, have been satisfactorily completed, and, (3) must pass examinations, at the beginning of the session in October, in all the subjects that have been already pursued by the class to which admission is sought. Certificates of standing elsewhere cannot be accepted in place of these examinations.

General Plan of Instruction

The course of instruction is planned for those who have received a liberal education and the training in physics, chem-

records in the studies of the first year are most creditable. By "studies of the first year" is meant either the studies laid down for the first year in one of the regular groups, or such other studies, equivalent in amount, as may be approved of by the Committtee on Scholarships and Honors.

3. Four are awarded for excellence in the studies of the second year, upon the same terms as in the case of the first year, provided that the candidate shall have absolved the "studies of the first year" as above defined.

4. Four are awarded for excellence in the studies of the third year upon the same terms as in the case of the second year, provided that the candidate shall have absolved the studies of the first and second years.

Hopkins Scholars from North Carolina and Virginia

Fifteen Hopkins Scholarships are awarded by the Academic Council to students from Virginia, and fifteen to students from North Carolina, who have already received a creditable baccalaureate degree or its equivalent. In case the entire number of scholarships are not required for graduate students, those that remain may be awarded to undergraduates, in the order of their merit. Applications, in writing, must be filed at the President's office prior to June 1.

WASHINGTON SCHOLARSHIPS

The Trustees offer to residents of the District of Columbia two scholarships, yielding free tuition. These, like the Hopkins Scholarships, are awarded to undergraduate students for merit, do not carry exemption from laboratory fees, and are tenable for one year, the holders being eligible for re-appointment.

WOODYEAR SCHOLARSHIPS

Mrs. William E. Woodyear, of Baltimore, gave to the Trustees, in 1893, as a memorial of her husband, the sum of ten thousand

attendance at special classes in the dispensary. They also attend cases of labor in the obstetrical wards of the hospital, and under proper supervision, in the homes of the patients. For the ward and dispensary work the class is divided into small groups.

Instruction in hygiene, medical zoology, forensic medicine, and medical history is provided during the course.

Work in the dissecting room, in the laboratory, and at the bedside, demonstrations, clinics, lectures, and recitations are the main features of the methods of instruction. Simple didactic lectures occupy a subsidiary position, as compared with instruction by recitations and demonstrations and especially by practical work in the various laboratories, in the hospital wards, and in the dispensary. In consequence of the high standard of admission, the classes are not likely to be excessively large, and abundant opportunity is therefore afforded for practical work for each student and for personal contact between teacher and student.

Courses for Graduates in Medicine

Courses of instruction for graduates in medicine are given throughout the year. These courses are in Anatomy, Histology and Organology, Pathology, Bacteriology, Pharmacology, and Toxicology, Physiology, Neurology, Neurological Technique, Embryology, Physiological Chemistry, Clinical Microscopy, Medicine, Pediatrics, Obstetrics, Gynecological Pathology, Surgical Pathology, Operative Surgery, Orthopedic Surgery, Genito-Urinary Surgery, X-Ray Diagnosis and Therapeutics, Cystoscopy, and Ophthalmology and Otology. The instruction is intended to meet the requirements of practitioners of medicine, and is almost wholly of a practical character. It includes laboratory courses, demonstrations, bedside teaching, and clinics in the wards, dispensary, amphitheatre, and operating rooms of the hospital.

Detailed statements as to the courses of instruction and other information are given in the annual Catalogue and Announcement, which will be sent upon application to the Registrar of the Medical Department.

THE JOHNSTON SCHOLARSHIPS

These scholarships, of which there are three, known as the Henry E. Johnston, the James Buchanan Johnston, and the Henry E. Johnston, Jr., Scholarships, were founded by Mrs. Harriet Lane Johnston, of Washington, formerly of Baltimore, in memory of her husband and her two sons. They are awarded annually by the Trustees on the recommendation of the Academic Council. The stipend of each scholarship is the income of thirty thousand dollars. They are offered primarily to young men who have given evidence of the power of independent research. The holders of the scholarships will be expected to devote themselves to study and research in their chosen subjects, though they may be required to do some teaching. Each one will be designated as "Holder of the . . . . . Johnston Scholarship."

Regulations

Candidates for the Johnston Scholarships must make application, in writing, to the President of the Johns Hopkins University before the first of May. The applications must be accompanied by such evidence of the candidates' fitness as they may be able to present. The President will refer the papers to the Academic Council, by whom the nominations will be made to the Board of Trustees at their meeting in June.

Holders of the scholarships may not engage in teaching elsewhere.

The scholars will be appointed for one year, but, if their work should prove satisfactory, they will generally be reappointed.

FELLOWSHIPS

Fellowships by Courtesy

The Academic Council may, at their discretion, by special vote, enrol as Fellows by Courtesy—

(*a*) Gentlemen who are or who have been teachers in colleges and other like institutions, and who wish, for brief periods, to avail themselves of the opportunities here afforded for study and for the use of books and laboratories.

(*b*) Holders of fellowships in other colleges, during their residence here.

(*c*) Those who have been fellows of this university and desire to continue in residence.

Fellows by Courtesy will not be exempt from the payment of fees, except by a special vote.

University Fellowships

Twenty fellowships, each yielding five hundred dollars but not exempting the holder from the charges for tuition, are annually awarded.

The system of fellowships was instituted for the purpose of affording to young men of talent from any place an opportunity of continuing their studies in the Johns Hopkins University, while looking forward to positions as professors, teachers, and investigators, or to other literary and scientific vocations. The fellowships are given to young men who wish to follow systematically through the year the instructions of the teachers here engaged, and those who are appointed are expected to proceed to the degree of Doctor of Philosophy. The appointments are made not merely in recognition of good work already done, but as aids and incentives to good work in the future ; in other words, the fellowships are not so much honors and prizes bestowed for past achievements, as helps to further progress and stepping-stones

on lectures, on the payment, at entrance, of fifty dollars for the year, besides the registration fee and caution money. For a course of lectures not exceeding five weekly, with accompanying laboratory work, the fee is seventy-five dollars per annum, payable at entrance. Such persons are not regarded as members of the university, but are enrolled as "attendants upon lectures," and are entitled only to such privileges as they have paid for. Persons who desire to be so enrolled are required to make a special written application to the Registrar.

Laboratory Charges

In Chemistry: For undergraduates and for graduates who take Chemistry as a subordinate subject, twenty-four dollars a year; for graduates and special students following Chemistry as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Physics: For students who work two afternoons a week, twenty-four dollars a year; for those who take Physics as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Biology: For undergraduates and for graduates who take Zoology or Physiology as a subordinate subject, twenty-four dollars a year; for graduates and special students following a biological science as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Geology: Ten dollars a year; for a half-year, one-half of this amount.

Students taking courses in geology are expected to take part in a series of excursions, and to pay their personal expenses, which will, however, in no case amount to more than $14.00.

In all the laboratories, a charge is made for breakage and for apparatus not returned in good condition.

Fellows by Courtesy and others who have the privileges of guests in the various laboratories, are expected to pay the usual laboratory charges.

Doctors of Philosophy of this university who desire to remain

their own work; and, in consequence, the professors, from want of adequate knowledge have possibly passed over candidates who may have been in the highest degree meritorious.

The applicants are notified of the result by means of a printed list of the successful candidates.

The absence of candidates from Baltimore has been no bar to their appointment, in cases where adequate evidence of their claims has been presented; but it is obvious, from the nature of the case, that graduate students residing in Baltimore must have better opportunities than others of making their powers known to the appointing board, and during the last few years the number of persons appointed, who had not previously been resident here, is very small.

Regulations

1. The application must be made prior to May 1, in writing, addressed to the President of the University, and he will refer the papers to the Academic Council, by whom the nominations will be made to the Board of Trustees, at their meeting in June. There is no prescribed form of application.

2. The candidate must give evidence of a liberal education, such as the diploma of a college of good repute; of decided proclivity towards a special line of study, such as an example of some scientific or literary work already performed; and of upright character, such as a testimonial from some instructor.

3. The value of each fellowship is five hundred dollars. The holder is not exempt from the charges for tuition. In case of resignation, promotion, or removal from the fellowship, payments will be made for the time during which the office shall have been actually held.

4. Every holder of a fellowship will be expected to perform such duties as may be allotted to him in connection with his course of study, to act when called upon as an examiner or as moderator in the examination room, to give all his influence for the promotion of scholarship and good order, and in general to co-operate in upholding the efficiency of the university, as circumstances may suggest. He must reside in Baltimore during the academic year.

5. He will be expected to devote his time to the prosecution of special studies (not professional), under the direction of the head of the department to which he belongs, and before the close of the year to give evidence of progress by the preparation of a thesis, the completion of a research, the delivery of a lecture, or by some other method.

6. He may give instruction, with the approval of the President, by lectures or otherwise, to persons connected with the university, but he may not engage in teaching elsewhere.

7. He may be reappointed at the end of the year, but only for exceptional reasons.

8. Usually not more than two fellows will be appointed in any department of study.

9. As these fellowships are awarded as honors, those who are disposed, for the benefit of others, or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the honor list.

Adam T. Bruce Fellowship

This fellowship was founded in 1887 by the mother of Adam T. Bruce, Ph. D., late fellow and instructor in this university, as a memorial of her son, and is awarded annually. It is bestowed by the appointing board upon the candidate whom they consider most likely to promote biological science, and especially animal morphology, by original research. The stipend is the income of the Adam T. Bruce Fellowship endowment of ten thousand dollars. Preference is given to those who have already held fellowships in the Johns Hopkins University.

The electors consist of the President of the University, the chief instructor in animal morphology, the chief instructor in animal physiology, and a non-resident member annually chosen by the resident electors.

Regulations

Candidates for the Bruce Fellowship must make application, in writing, to the President of the Johns Hopkins University before the first of May. They must forward to the President, at the same time, such evidence of their qualifications for appointment as they desire to be considered by the electors, who may require any candidate to appear before them in person.

The Bruce Fellow shall devote his time to study and research in biology at a place approved of by the President of the university, and he shall, during the month of February in the year of his tenure of the fellowship, send to the President a written statement of the scientific work accomplished by him since his appointment.

The tenure of the fellowship shall commence on the first of September.

Two hundred and fifty dollars shall be paid to the Fellow on October 1, and the remainder at convenient intervals during the tenure of the fellowship.

The holder shall not be more than thirty years of age at the date of his election.

The Bruce Fellow may be re-elected, but not oftener than twice, and he shall be exempt from charges for tuition.

The electors shall have the power to declare the fellowship vacant, if its holder prove, in their opinion, unworthy; and no further stipend shall be paid to such person.

William S. Rayner Fellowship

The Rayner Fellowship was founded by Mrs. Bertha Rayner Frank and Mr. Albert W. Rayner, of Baltimore, to perpetuate in this university the name of their father, Mr. William S. Rayner, who had made unusual attainments in the Hebrew language and was interested in the promotion of Semitic studies. The gift amounted to ten thousand dollars, and the income is available for a fellowship, which is bestowed annually by the Academic Council upon an advanced student in the department of Semitic Languages.

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States of Maryland, Virginia, and North Carolina, as may be most deserving of choice, because of their character and intellectual promise, and to educate the young men so chosen free of charge."

Forty-six such scholarships, entitling the holders to free tuition, are now offered to students from the three States named.

Students can be recognized as candidates only when actual residents of the State from which they desire to be appointed, during at least the year next preceding their enrolment in the university. If the appointing board is not sure as to the legal residence of any candidate, the point in question shall be determined by the Executive Committee of the Board of Trustees.

These scholarships are all bestowed for merit, and are tenable for the year subsequent to the appointment, the holders being re-eligible.

Successful candidates who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the honor list. The scholarships may be forfeited because of frequent or prolonged absence, defective scholarship, or unworthy conduct.

Scholarships made vacant by resignation, by forfeiture, or by the non-appearance of worthy candidates at the regular times of selection, may be bestowed by the appointing board, at their discretion, upon other candidates who are found worthy, provided that the principles of this foundation are not departed from.

Holders of scholarships are not exempt from laboratory fees.

Hopkins Scholars from Maryland

These scholars are appointed by the Board of Collegiate Studies, in accordance with the following regulations:

1. Four scholarships are open, at the beginning of the session, to those who have just completed their matriculation examination, and who stand best in a subsequent special examination in Mathematics, Latin, and Greek (or French and German), as required for matriculation.

2. Four are awarded in June to matriculated students whose

records in the studies of the first year are most creditable. By "studies of the first year" is meant either the studies laid down for the first year in one of the regular groups, or such other studies, equivalent in amount, as may be approved of by the Committtee on Scholarships and Honors.

3. Four are awarded for excellence in the studies of the second year, upon the same terms as in the case of the first year, provided that the candidate shall have absolved the "studies of the first year" as above defined.

4. Four are awarded for excellence in the studies of the third year upon the same terms as in the case of the second year, provided that the candidate shall have absolved the studies of the first and second years.

Hopkins Scholars from North Carolina and Virginia

Fifteen Hopkins Scholarships are awarded by the Academic Council to students from Virginia, and fifteen to students from North Carolina, who have already received a creditable baccalaureate degree or its equivalent. In case the entire number of scholarships are not required for graduate students, those that remain may be awarded to undergraduates, in the order of their merit. Applications, in writing, must be filed at the President's office prior to June 1.

Washington Scholarships

The Trustees offer to residents of the District of Columbia two scholarships, yielding free tuition. These, like the Hopkins Scholarships, are awarded to undergraduate students for merit, do not carry exemption from laboratory fees, and are tenable for one year, the holders being eligible for re-appointment.

Woodyear Scholarships

Mrs. William E. Woodyear, of Baltimore, gave to the Trustees, in 1893, as a memorial of her husband, the sum of ten thousand

dollars, in order to provide for the annual bestowal of five scholarships, of one hundred dollars each, under such conditions as the Trustees may from time to time prescribe. At present they are awarded to young men who are known to the President of the University to be in need of pecuniary assistance, and who, at the same time, have given evidence of character and ability.

Maryland Scholarships

Twenty "Maryland Scholarships" are annually offered to residents of this State. They entitle the holders to free tuition, but do not carry exemption from laboratory fees. The scholarships are for the benefit of all parts of the State, and, accordingly, not more than one-half the number are awarded to residents of the city of Baltimore, and not more than one-half to those who are already members of the university. The appointing board consists of the President of the Board of Trustees, the President of the University, and the Dean of the College Faculty. The usual entrance examinations must be passed by the candidates. Application must be made in accordance with a prescribed form.

PRIZES

The John Marshall Prize

This prize was established in 1891 by a lady living in New England. It consists of a bronze replica of a likeness of Chief Justice Marshall, and is awarded annually by the Academic Council to that graduate of the Johns Hopkins University who has made within the year the most valuable contribution to historical or political science.

The Henrico Medallion

This prize is the gift (made in 1902) of the Colonial Dames of America, Chapter I, and consists of a copper medallion bas-relief commemorating the foundation of a university at Henrico, in Virginia, in the year 1619. It is bestowed annually upon a graduate or student of the Johns Hopkins University, not more than ten years after his receiving the degree of Bachelor of Arts, as a recognition of work of special excellence in early American History.

The Tocqueville Medal

The Tocqueville medal is annually given to the Johns Hopkins University by the Baron Pierre de Coubertin, of Paris, and is offered by the university to that student who shall have written the best essay on some subject illustrating any phase of French History, political or social, from 1815 to 1890, or a review of some important historical work published in France since 1890. The medal is given in honor of the illustrious Frenchman, Alexis de Tocqueville (1805–1859), author of the well-known historical and political studies, "Ancien Régime" and "Démocratie en Amérique."

The Sylvester Prize

The Sylvester Prize is the gift of several Baltimore gentlemen, and is offered to advanced students of mathematics as a reward for original research. It consists of a medallion likeness of Professor J. J. Sylvester, the first professor of mathematics in this university.

TUITION FEES AND EXPENSES

A

In the Philosophical Department

Tuition Fees

The charge for tuition is one hundred and fifty dollars per annum, payable at the Treasurer's office in semi-annual instalments, October 1 and February 1. There is no extra charge for instruction in any department of study, or for the use of the library and reading-room. A gymnasium fee of five dollars per annum is charged to every undergraduate during his residence in the university, and the money thus acquired is devoted to defraying the expenses of the University Athletic Association. Graduate students who use the gymnasium are also required to pay this fee. Fees are charged, as below stated, for registration, for material consumed in the laboratories, and for diplomas.

No deduction is made at the Treasurer's office because of absence for a period of less than half a year, or because a student gives only a part of his time to study, or because he belongs to but one class. Prompt payment of fees is required.

Registration Fee and Caution Money

Every student is required at entrance to pay a registration fee of five dollars and deposit ten dollars as caution money, the latter being repaid to him when he leaves the university, if there are no charges against him.

Fees for Limited Attendance

Persons engaged in other pursuits—such as clergymen, lawyers, physicians, teachers,—*who are able to give only a portion of their time to study and are not candidates for a degree,* are permitted to follow certain courses of lectures, not exceeding five weekly, or to work in a scientific laboratory, at such times as may be arranged with the Director thereof, without attendance

on lectures, on the payment, at entrance, of fifty dollars for the year, besides the registration fee and caution money. For a course of lectures not exceeding five weekly, with accompanying laboratory work, the fee is seventy-five dollars per annum, payable at entrance. Such persons are not regarded as members of the university, but are enrolled as "attendants upon lectures," and are entitled only to such privileges as they have paid for. Persons who desire to be so enrolled are required to make a special written application to the Registrar.

Laboratory Charges

In Chemistry: For undergraduates and for graduates who take Chemistry as a subordinate subject, twenty-four dollars a year; for graduates and special students following Chemistry as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Physics: For students who work two afternoons a week, twenty-four dollars a year; for those who take Physics as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Biology: For undergraduates and for graduates who take Zoology or Physiology as a subordinate subject, twenty-four dollars a year; for graduates and special students following a biological science as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Geology: Ten dollars a year; for a half-year, one-half of this amount.

Students taking courses in geology are expected to take part in a series of excursions, and to pay their personal expenses, which will, however, in no case amount to more than $14.00.

In all the laboratories, a charge is made for breakage and for apparatus not returned in good condition.

Fellows by Courtesy and others who have the privileges of guests in the various laboratories, are expected to pay the usual laboratory charges.

Doctors of Philosophy of this university who desire to remain

for a time in the university after having received their diplomas, may do so without charge for tuition, but they are required to pay the usual laboratory charges.

Exception to the foregoing charges can be made only at the written request of the Director of a laboratory, approved by the President of the university.

Graduation Fees

The graduation fees are as follows, payable before the delivery of diplomas :

Doctor of Philosophy, ...	$10.00
Bachelor of Arts, ...	5.00

B

In the Medical Department

The charge for tuition is two hundred dollars per annum, payable at the Treasurer's Office or at the office of the Dean of the Medical Faculty, in semi-annual instalments, October 1 and February 1. There are no extra charges for matriculation, for graduation, for instruction in any department, or for laboratory courses, except in special cases for materials consumed. To a student who does not possess a microscope, there is an annual charge of five dollars for the use of one, with an additional charge of two dollars for the use of an oil-immersion lens. One dollar is charged for the rental of a dissecting microscope for one year. The student is responsible for damage to the microscope thus rented. A deposit of ten dollars as caution money is required from each student at the time of his enrolment. The caution money is repaid to the student when he leaves, if there are no charges against him. Special charges are made for breakage and for damage to apparatus.

Payment of bills may be made at the office of the Registrar in the Physiological Building, which is open from 9 a. m. to 5 p. m., or at the office of the Treasurer of the University, on North Howard Street, which is open daily from 9 a. m. to 4.15 p. m.

The fees required of graduates of medical colleges who desire to follow special courses in medicine, are stated in detail in the annual catalogue of the medical department.

on lectures, on the payment, at entrance, of fifty dollars for the year, besides the registration fee and caution money. For a course of lectures not exceeding five weekly, with accompanying laboratory work, the fee is seventy-five dollars per annum, payable at entrance. Such persons are not regarded as members of the university, but are enrolled as "attendants upon lectures," and are entitled only to such privileges as they have paid for. Persons who desire to be so enrolled are required to make a special written application to the Registrar.

Laboratory Charges

In Chemistry: For undergraduates and for graduates who take Chemistry as a subordinate subject, twenty-four dollars a year; for graduates and special students following Chemistry as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Physics: For students who work two afternoons a week, twenty-four dollars a year; for those who take Physics as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Biology: For undergraduates and for graduates who take Zoology or Physiology as a subordinate subject, twenty-four dollars a year; for graduates and special students following a biological science as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

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Students taking courses in geology are expected to take part in a series of excursions, and to pay their personal expenses, which will, however, in no case amount to more than $14.00.

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Doctors of Philosophy of this university who desire to remain

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Living Expenses

The university has no dormitories or other living accommodations. Students may find comfortable homes in the vicinity, —in boarding houses or with families. The price of board ranges from three dollars and a half a week upward, and rooms from one dollar and a half a week.

Lists of desirable places are kept by the Secretary of the university branch of the Young Men's Christian Association and by the Registrar of the medical department.

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